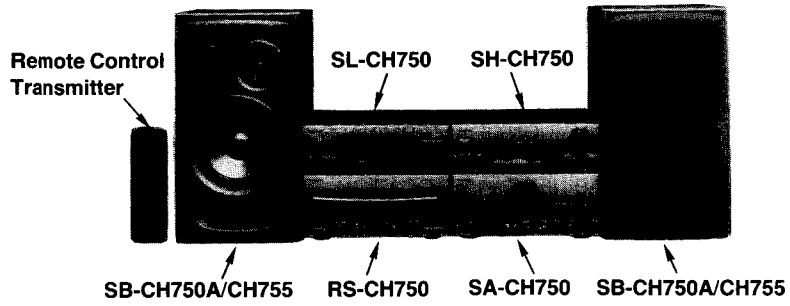
Service Manual

Tuner Amplifier

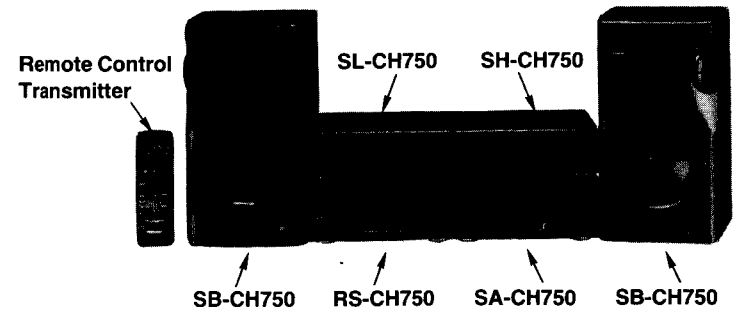
Tuner Amplifier

SA-CH750

● For (E), (EB), (EG) areas



● For (GC), (GN) areas



Colour

(K)	Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle Near East and Africa	
(GN)	Oceania	

System: SC-CH750

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

SPECIFICATIONS

(DIN 45 500)

■ Main Amp. Section

Power output
DIN 1 kHz THD 1%
both channel driven
For (GC), (GN) areas
SFP, mode 1 kHz THD 1%
MAIN 2×45 W (6Ω)
SURROUND 2×5 W (8Ω)
Total harmonic distortion
Rated power at 1 kHz 1% (6Ω)
Half power at 1 kHz 0.09% (6Ω)
Load impedance
MAIN 6–8Ω
SURROUND 8Ω
S/N (rated power) 84 dB
Frequency response 40 Hz–30 kHz (–3 dB)

■ FM Tuner Section

Frequency range 87.50 MHz–108.00 MHz (0.05 MHz steps)
Sensitivity 1.8 µV (IHF, usable)
S/N 26 dB 1.5 µV (75Ω)
S/N
MONO 70 dB (75 dB, IHF)
Stereo separation at 1 kHz 35 dB
Antenna terminal(s) 75Ω (unbalanced)

■ AM TUNER SECTION

Frequency range
MW
For (E), (EB), (EG), (GN) areas 522–1611 kHz (9 kHz steps)
530–1620 kHz (10 kHz steps)
For (GC) area 531–1602 kHz (9 kHz steps)
530–1600 kHz (10 kHz steps)
LW
For (E), (EB), (EG), (GN), areas 144–288 kHz (9 kHz steps)
For (GC) area 153–279 kHz (9 kHz steps)
Sensitivity (S/N 20 dB)
MW 500 µV/m
LW 50 µV

■ Timer Section

Clock Quartz-lock type
Function 24-hour programmable; Play timer (1 time)
Rec timer (1 time)
Sleep (120 min. 1 min. intervals)
Setting 1 minute–23 hours 59 minutes (1 min. intervals)

System	Sound processor	Tuner amplifier	Compact disc player	Cassette deck	Speakers
SC-CH750	SH-CH750	SA-CH750	SL-CH750	RS-CH750	*SB-CH750A ..... (E), (EB), (EG) areas *SB-CH755 ..... Switzerland only SB-CH750 ..... (GC), (GN) areas

*Made in PAES

Technics

■ **GENERAL**

Power consumption	175 W
Power supply	
For (E), (EG) areas	AC 50/60 Hz, 230 V
For (EB), (GN) areas	AC 50/60 Hz, 230 V–240 V
For (GC) area	AC 50/60 Hz, 110/127/220/240 V
Dimension (W×H×D)	270×119×334 mm
Weight	5.5 kg

Notes:
1. Specifications are subject to change without notice.
2. Weight and dimensions are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

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■ BEFORE REPAIR

(1) Turn off the power supply. Using a 10Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.
(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode is mode should be shown below with respect to supply voltage 230 V/240 V.

Power supply voltage	AC 230 V	AC 240 V
Consumed current 50 Hz	130~230 mA	110~210 mA

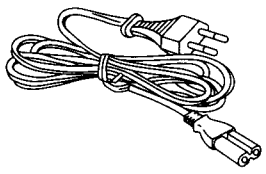
■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:
*No sound is heard when the power is switched ON.
*Sound stops during a performance.
The functions of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:
1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

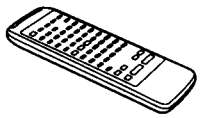
■ ACCESSORIES

Check the packing carton for these accessories.



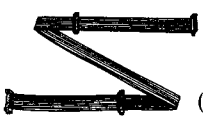
(RJA0019-2K) for (E), (EG), (GC) areas
(VJA0733) for (EB) area
(SJA173) for (GN) area

•AC power supply cord ..... 1 pc.



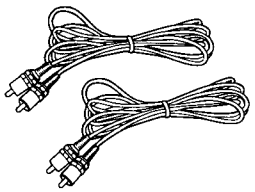
(RAK-SC709WH)

•Remote control transmitter ..... 1 pc.

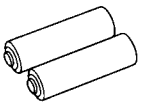


(REX0462)

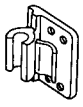
•Flat cable ..... 1 pc.



•Surround speaker cords ..... 2 pcs.
(RJL1P001B25) for (GC), (GN) areas

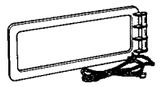


Note: These are available on sale route.
•Remote control batteries
UM-4, AAA, R03 ..... 2 pcs.



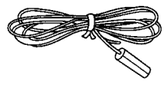
(SMA233-1M)

•Antenna holder ..... 1 pc.



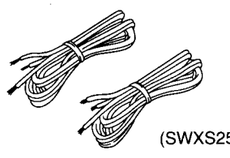
(SPB1163T)

●LW/MW loop antenna ..... 1 pc.



(RSA0007) for (E), (EB), (EG) areas
(RSA0006) for (GC), (GN) areas

●FM indoor antenna ..... 1 pc.



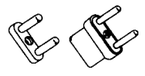
(SWXS257M)

●Speaker cords ..... 2 pcs.

(XTN3+10AFZ)

●Mounting screws .....2 pcs.

●Attachment plug .....1 pc.
(SJP9009) for (EB) area

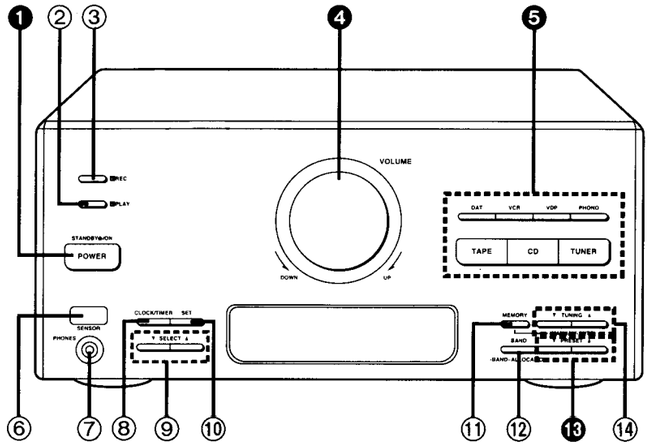


(SJP5213-2) for (GC) area

●Power plug adaptor .....1 pc.

Note:
The configurations of AC power supply cord and FM indoor antenna differ according to area.

■ LOCATION OF CONTROLS



❶ Power "STANDBY ⏻/ON" switch (POWER, STANDBY ⏻/ON)
This switch switches ON and OFF the secondary circuit power only. The unit is in the "standby" condition when this switch is set to the STANDBY ⏻ position. Regardless of the switch setting, the primary circuit is always "live" as long as the power cord is connected to an electrical outlet.

② Timer play button (⏲ PLAY)
Press to confirm, exit or reset the play timer.

③ Timer recording button (⏲ REC)
Press to confirm, exit or reset the record timer.

❹ Volume level control (VOLUME)
Turn to adjust the volume level.
Note that –– dB is the lowest volume setting and 0 dB is the highest.

❺ Input select buttons (TAPE, CD, TUNER, DAT, VCR, VDP, PHONO)
Press to select the sound source.

⑥ Remote control signal sensor (SENSOR)
Receives the signals from the remote control.

⑦ Headphones jack (PHONES) (∅3.5, 32Ω)
Plug headphones cord into this jack.

⑧ Clock/timer button (CLOCK/TIMER)
Press to select the clock set mode or desired timer mode.

⑨ Timer select buttons (▼ SELECT ▲)
Use when setting the current time and timer.

⑩ Setting button (SET)
Press to set the present time in the clock mode, or set the various selection in the timer mode.

⑪ Preset memory button (MEMORY, -MANUAL, –AUTO)
Press to put a broadcast station into the memory.

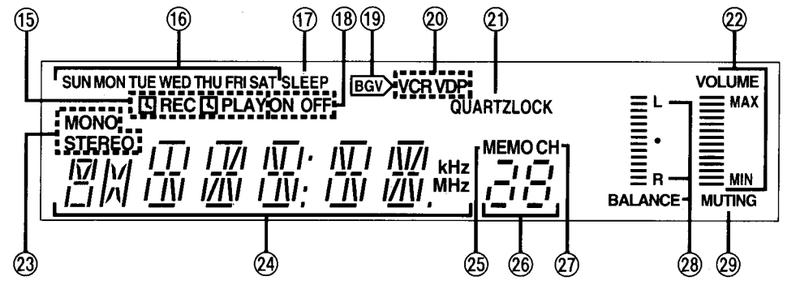
⑫ Band select/allocation change button (BAND, -BAND –ALLOCATION)
Press to select the MW, LW or FM radio band.
Press and hold to change the MW frequency step.

❸ Preset tuning buttons (▼ PRESET ▲)
Use to select channel number for a broadcast station which has been stored in the tuner's memory.

⑭ Tuning buttons (▼ TUNING ▲)
Use to tune in a desired broadcast station.

The functions indicated by the numbers with black background (for example ❶) can also be activated from the remote control.

●Display section



⑮ Timer mode indicators (⏲ REC, ⏲ PLAY)
⏲ REC: Lights when you have set the record timer mode.
⏲ PLAY: Lights when you have set the play timer mode.

⑯ Day indicators (SUN–SAT)
Shows the day of the week or the day the timer has been set for.

⑰ Sleep timer indicator (SLEEP)
Lights when you have set the sleep timer mode.

⑱ Timer on/off indicator (ON, OFF)
Lights together with the setting time to show the timer ON time and OFF time.

⑲ BGV (background visual) indicator (BGV)
Lights when listening to audio sound source.

⑳ Visual source indicators (VCR, VDP)
Lights to show it is possible to enjoy BGV (Back Ground Visual) if you connect video deck or video disc player to this system.

㉑ Quartz lock indicator (QUARTZLOCK)
Lights when you precisely tune in a broadcast station.

㉒ Volume level display (VOLUME, MAX, MIN)
Shows the volume level.

㉓ FM STEREO/MONO indicator (MONO, STEREO)
"STEREO" lights when an FM stereo broadcast is being received. If you press FM mode button on the remote control to select monaural mode, "MONO" lights.

㉔ Alpha-numeric display
Shows the selected source, present time, and the contents of the timer setting, received frequencies, volume level.

㉕ Memory indicator (MEMO)
Lights when the preset memory button is pressed.

㉖ Preset channel display
Shows the preset channel you select.

㉗ Channel indicator (CH)
Lights when the unit is in the preset tuning mode.

㉘ Balance display (L, R, BALANCE)
Shows the left-right volume balance.

㉙ Muting indicator (MUTING)
Lights when you activate the muting mode.

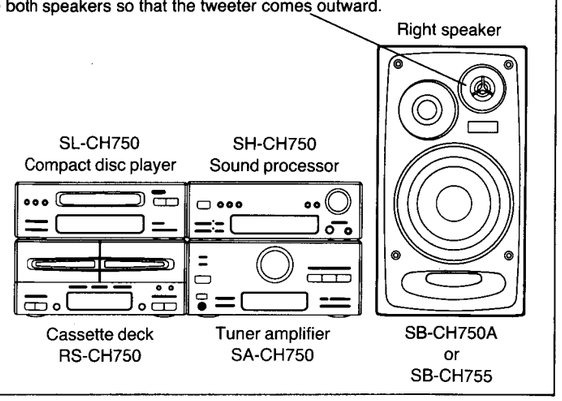
■ STACKING THE COMPONENTS

Install the various components as shown below.

■ Horizontal stacking

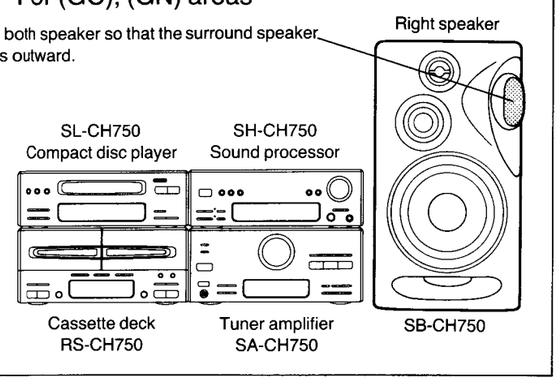
For (E), (EB), (EG) areas

Place both speakers so that the tweeter comes outward.

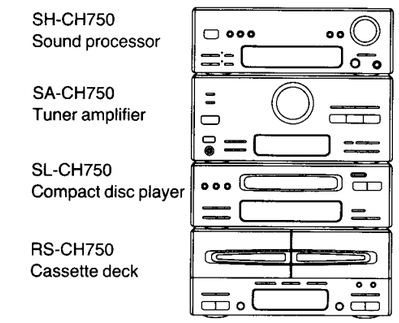


For (GC), (GN) areas

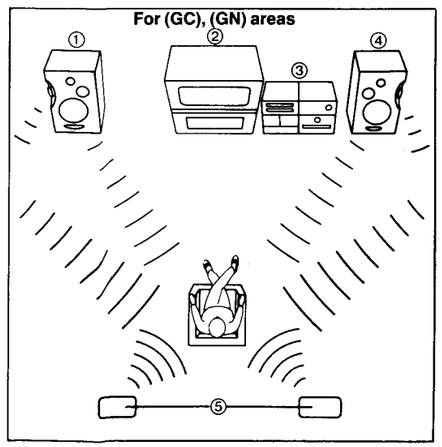
Place both speaker so that the surround speaker comes outward.



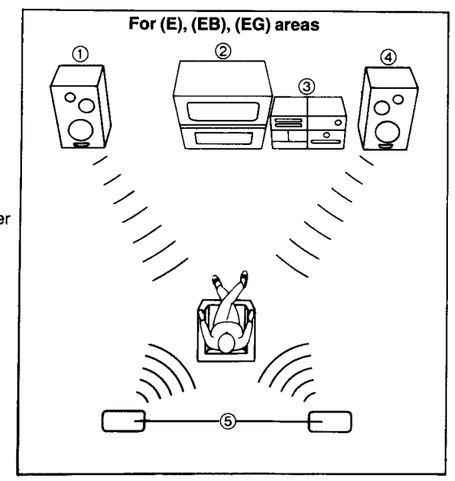
■ Vertical stacking



■ System layout

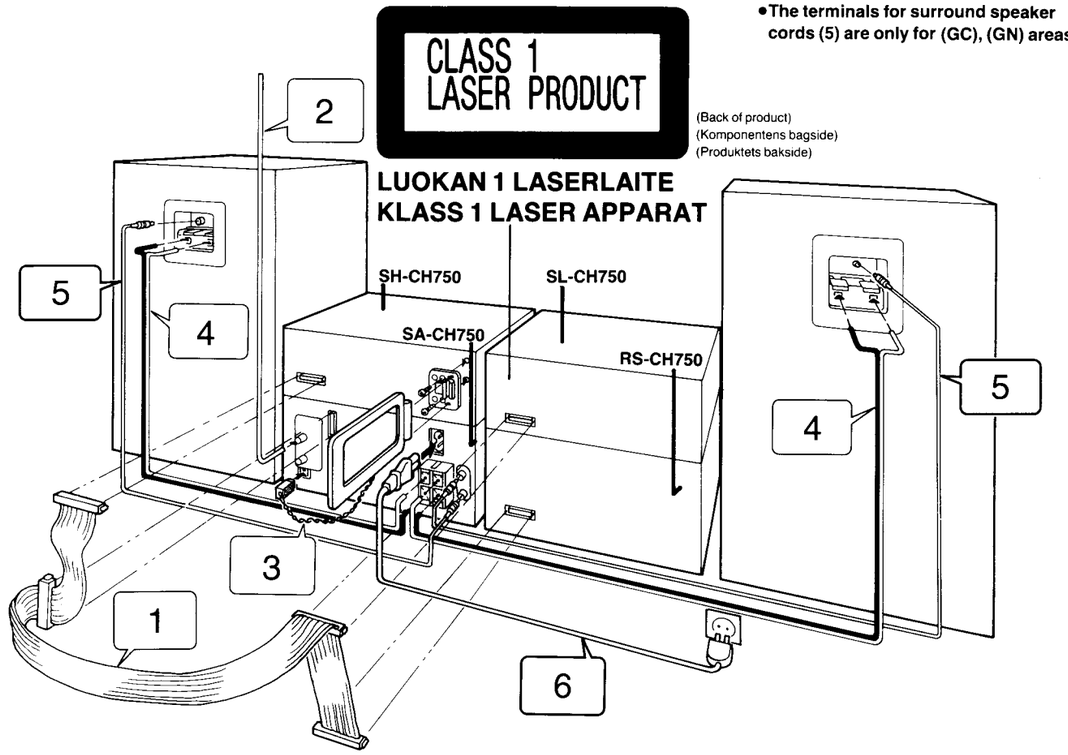


To produce a better stereo sound, install both speakers away from the system.
This speaker system has built-in surround speaker, so you can easily enjoy the surround sound.



Surround sound effect differs according to where you install the surround speakers. Install them as you like.

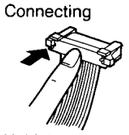
■ CONNECTIONS



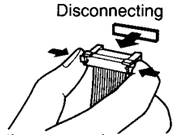
●The terminals for surround speaker cords (5) are only for (GC), (GN) areas

1 Connect the flat cable.

Connecting



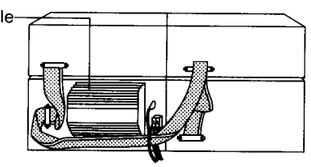
Disconnecting



Hold the connector with the recessed part up and press in at the center until you hear a click.
First connect the blue-colored connector to the terminal of the sound processor (A), then connect the rest in the order B, C, D.
Route the cable horizontally (underneath the heat outlet grille) so that the side with the white-color lead is positioned at the front.

After connection, fold and press the cable as flat to the back of the unit as possible.

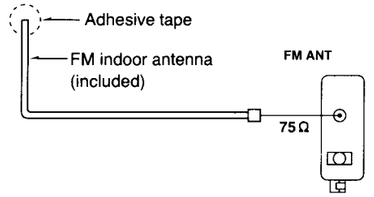
Heat outlet grille



Do not try connecting or disconnecting the flat cable while the power is switched to ON.

2 Connect the FM indoor antenna.

Install the antenna on a wall at a height and in a direction which result in the best reception.



The tip of the internal antenna wire should not come into contact with any metal objects.
When you cannot get a good reception with this FM indoor antenna, we recommend you install an FM outdoor antenna (not included). Disconnect the FM indoor antenna if you install an FM outdoor antenna.

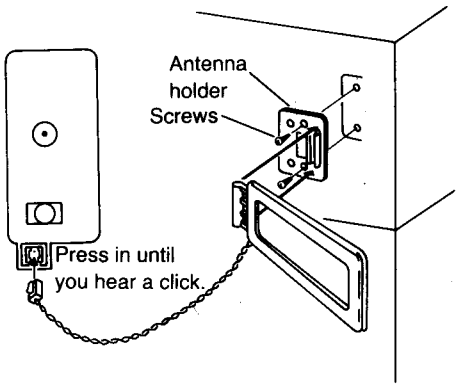
3 Connect the LW/MW loop antenna.

1. Attach the antenna holder with screws (included) to the rear panel of the sound processor.
2. Clamp the antenna to the antenna holder and connect the antenna terminal to the rear panel of the tuner amplifier.
3. Position the loop for the best reception.

You may attach the LW/MW antenna holder to a rack or other structure.

Notes:

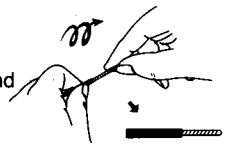
- To minimize noise pickup, keep the LW/MW loop antenna away from the speaker cable, power cord, and metal surfaces.
- For better reception, keep the LW/MW loop antenna cord along the heat outlet grille, and away from the flat cable.



4 Connect the speaker cables.

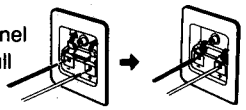
Connection of speaker cables

1. Strip off the outer covering, and twist the center conductor.

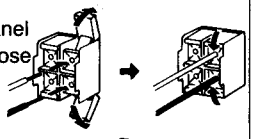


Make sure the bare ends of the wires are not unraveled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the speakers, and then pull down the lever.

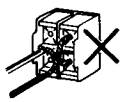


3. Insert the wire to the rear panel of the tuner amplifier, and close the lever.



Notes:

- To prevent damage to circuitry, never short-circuit positive (+) and negative (−) speaker wires.



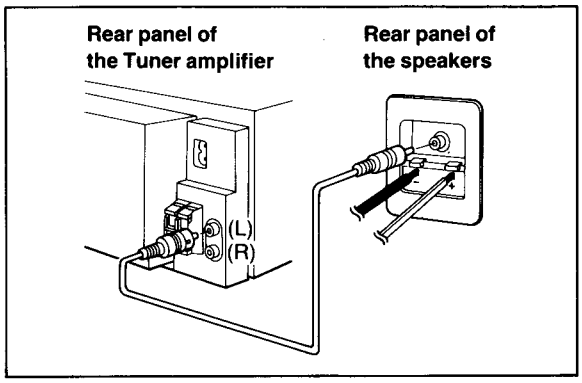
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (−) terminals.

Note:

- Be sure to connect speaker cables before connecting the AC power supply cord.

5 Connect the surround speaker cord.

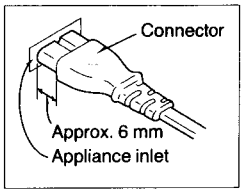
For (GC), (GN) areas



6 Connect the AC power supply cord after you have connected all other cables and cords.

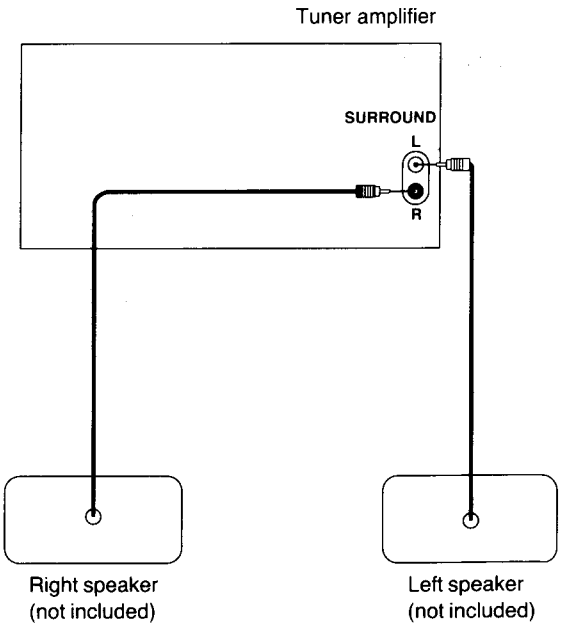
Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.



■ External unit connection

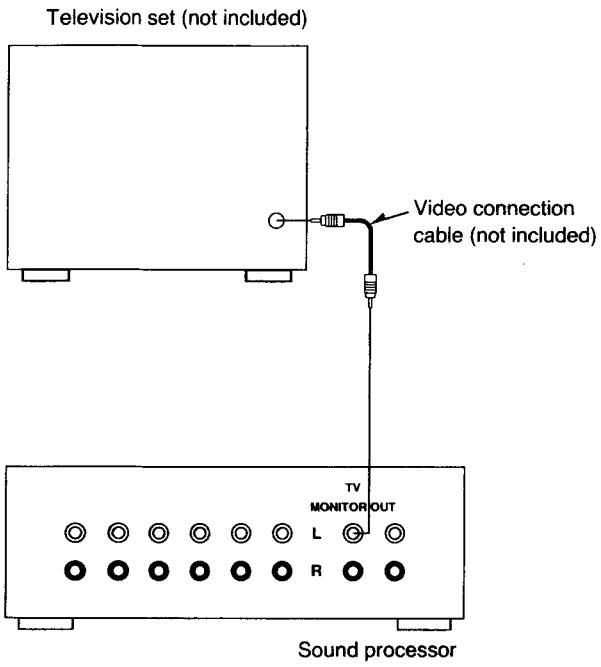
Surround speaker



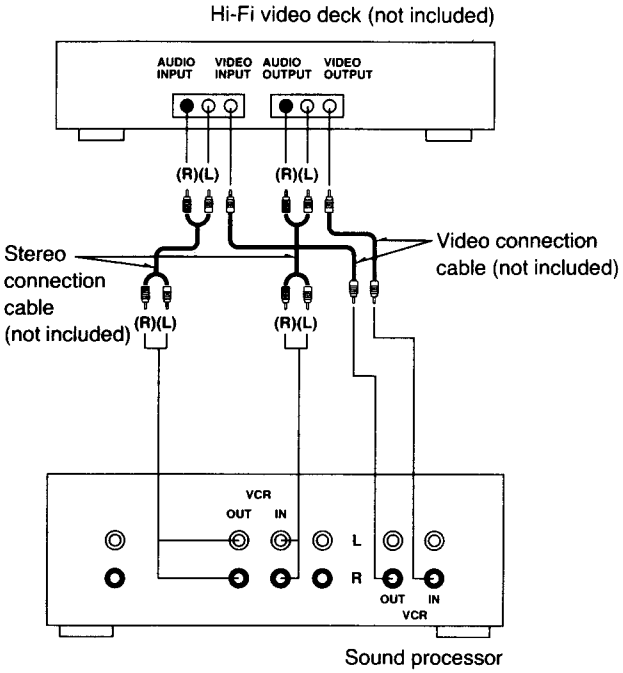
Notes:

Install each speaker left and right at the back of the listening space. Be sure to connect both speaker systems. If only one side is connected, no sound will be heard.

Television

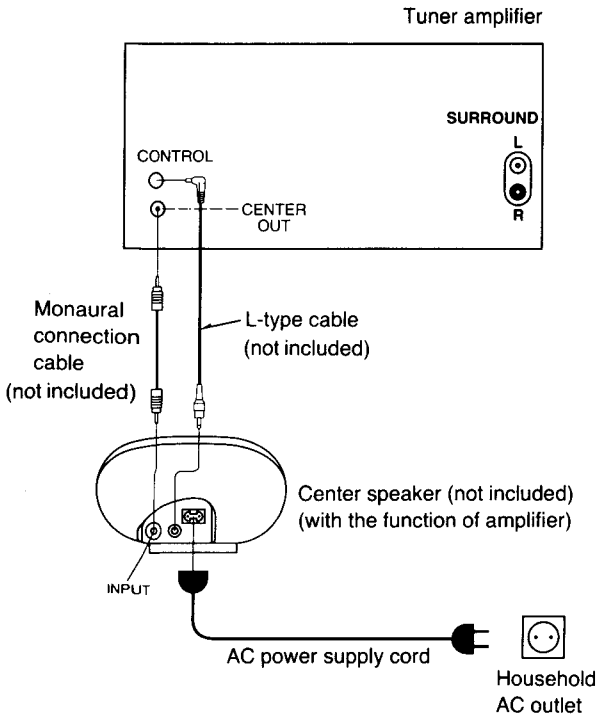


Video deck



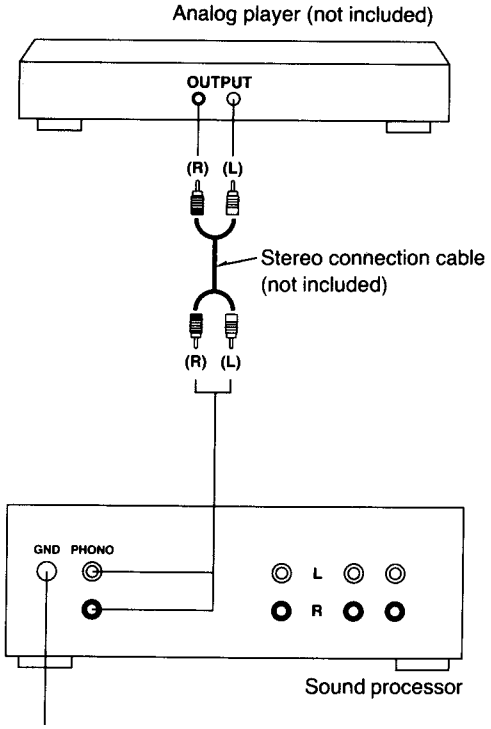
When you use a monaural video deck, connect it with monaural video connection cable.

Center speaker for (GC), (GN) areas



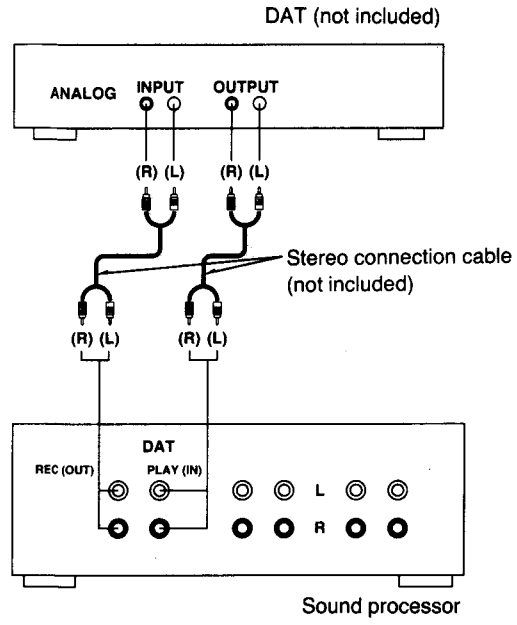
Note:
When you use a center speaker which has not a built-in amplifier, connect it to an another amplifier.

Analog player

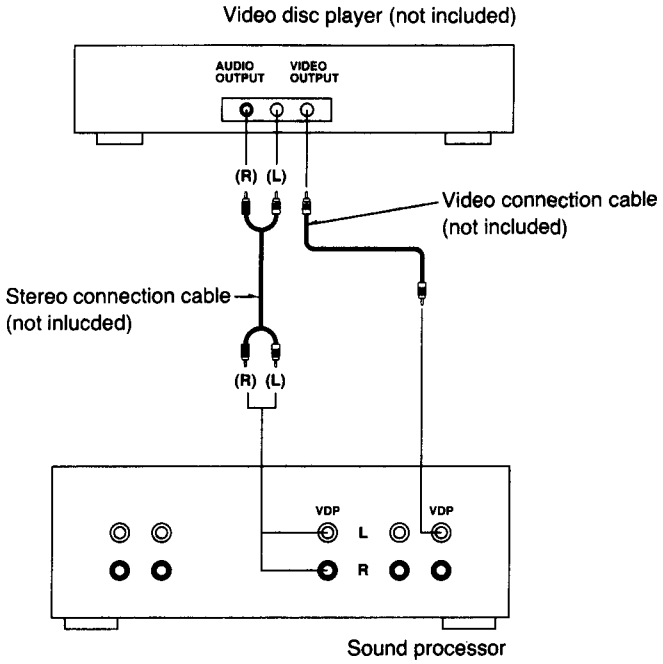


This terminal is for a ground wire use.

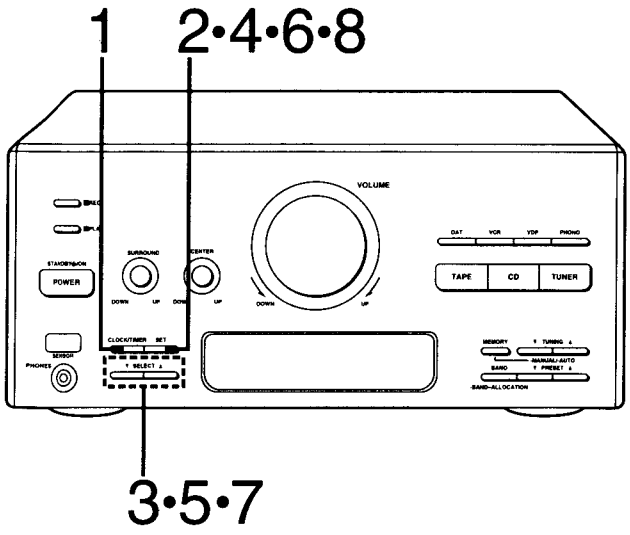
DAT (digital audio tape deck)



Video disc player



■ SETTING THE TIME OF DAY



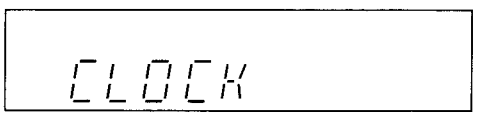
These instructions explain how to set the time for 16:25 (4:25 p.m.) on Wednesday.

Switch on the power.

1 Press CLOCK/TIMER to select "CLOCK".

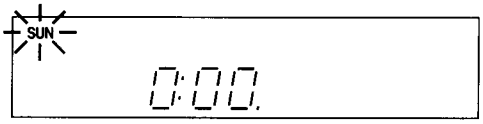
The display will show CLOCK.

The display will return to what was previously indicated if you allow 7 or more seconds to elapse before you accomplish the next operation.

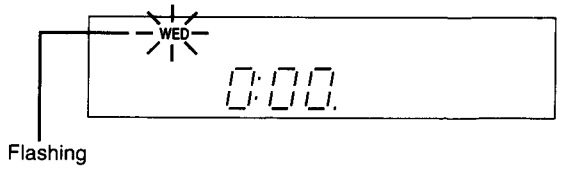


2 Press SET.

The day indicator will start to flash.



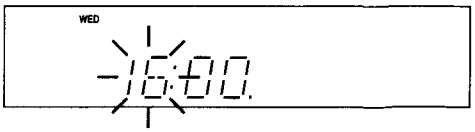
3 Press one of the SELECT buttons to select "WED".



4 Press SET.

5 Press one of the SELECT buttons to select "16".

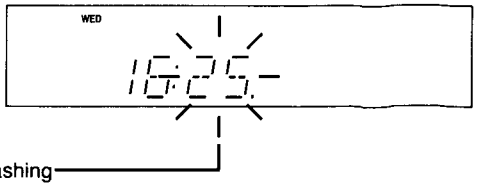
Going from 23:59 to 00:00 on the hour display will not change the day display.



6 Press SET.

7 Press one of the SELECT buttons to select "25".

Going from 59 to 00 on the minute display will not change the hour display.



8 Press SET to finish setting the time.

After about 2 seconds, the display will return to what it were before entering the clock setting mode.

To display the clock again, press CLOCK/TIMER. The display will show "CLOCK", and then clock will appear for 5 seconds.

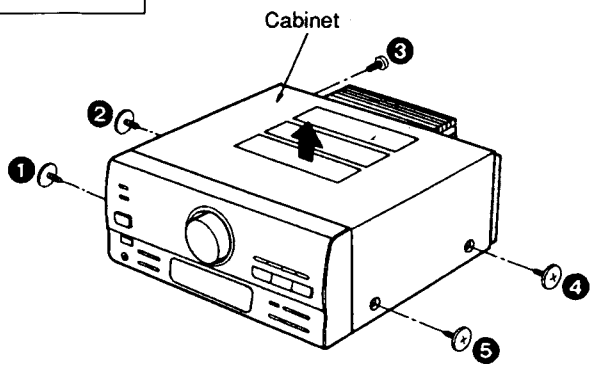
"E" appears on the display if the power cord has been once disconnected or there has been a power failure. If this happens, reset the time.

■ DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the Cabinet

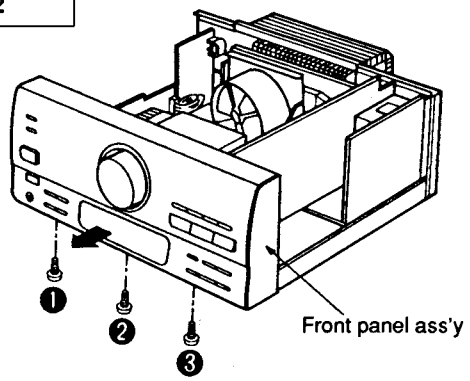
Procedure 1



1. Remove the 5 screws (❶~❺).
2. Remove the cabinet in the direction of arrow.

Ref. No. 2	Removal of the Front Panel Ass'y

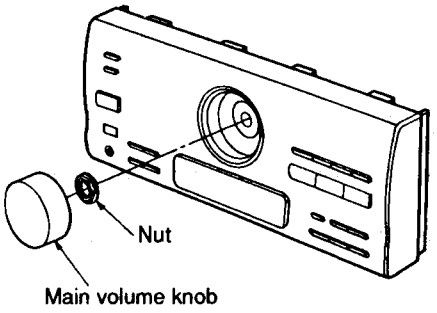
Procedure 1→2



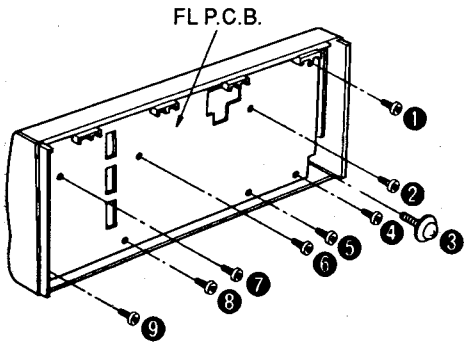
1. Remove the 3 screws (❶~❸).
2. Remove the front panel ass'y in the direction of arrow.

Ref. No. 3	Removal of the FL P.C.B.

Procedure 1→2→3



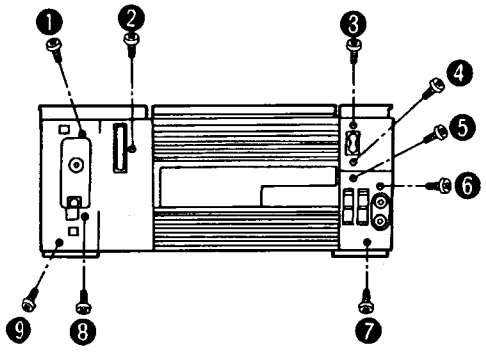
1. Pull out the main volume knob.
2. Remove the nut.



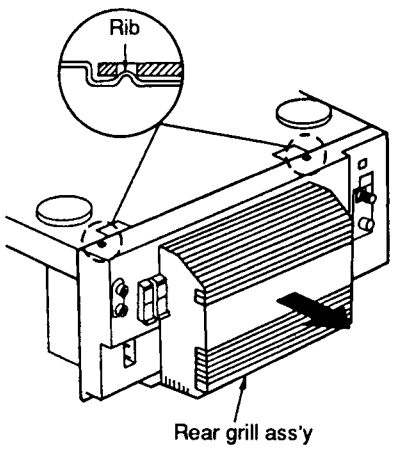
3. Remove the 9 screws (❶~❾).

Ref. No. 4	Removal of the Rear Grill Ass'y

Procedure 1→4



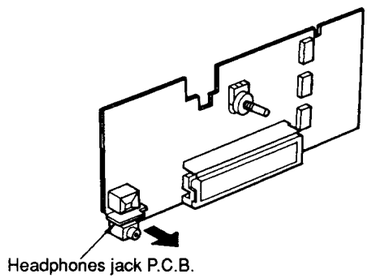
1. Remove the 9 screws (❶~❾).



2. Remove the 2 ribs.
3. Remove the rear grill ass'y in the direction of arrow.

Ref. No. 5 — Removal of the Headphones Jack P.C.B.

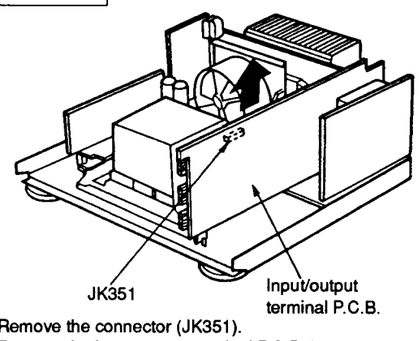
Procedure 1→2→3→5



- Remove the headphones jack P.C.B. in the direction of arrow.

Ref. No. 6 — Removal of the Input/outout Terminal P.C.B.

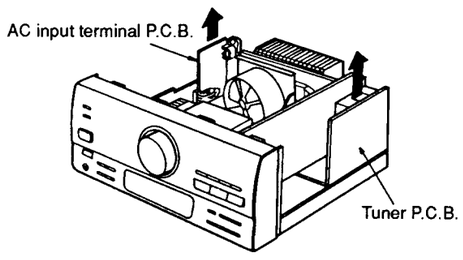
Procedure 1→2→4→6



1. Remove the connector (JK351).
2. Remove the input/output terminal P.C.B. in the direction of arrow.

Ref. No. 7 — Removal of the AC Input Terminal P.C.B. and Tuner P.C.B.

Procedure 1→4→7



■ Removal of the AC Input Terminal P.C.B.

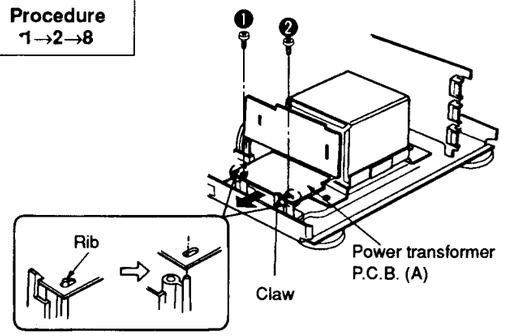
- Remove the AC input terminal P.C.B. in the direction of arrow.

■ Removal of the tuner P.C.B.

- Remove the tuner P.C.B. in the direction of arrow.

Ref. No. 8 — Removal of the Power Transformer P.C.B. (A)

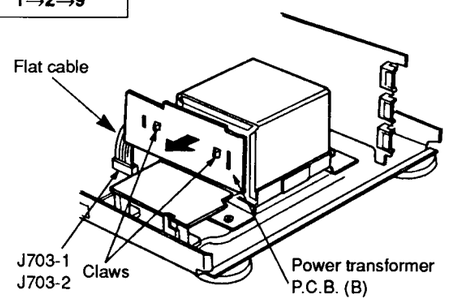
Procedure 1→2→8



1. Remove the 2 screws (❶, ❷).
2. Release the claw.
3. Remove the 2 ribs.
4. Remove the power transformer P.C.B. (A) in the direction of arrow.

Ref. No. 9 — Removal of the Power Transformer P.C.B. (B)

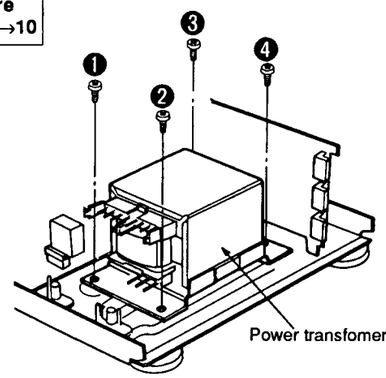
Procedure 1→2→9



1. Remove the flat cable (J703-1, J703-2).
2. Release the 2 claws.
3. Remove the power transformer P.C.B. (B) in the direction of arrow.

Ref. No. 10 — Removal of the Power Transformer

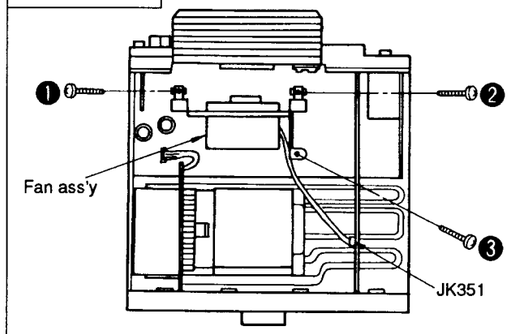
Procedure 1→2→8→9→10



- Remove the 4 screws (❶~❹).

Ref. No. 11 — Removal of the Fan Ass'y

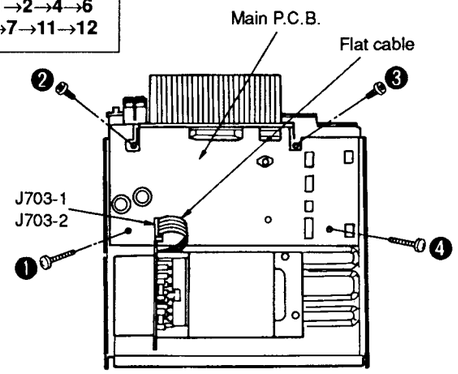
Procedure 1→11



1. Remove the connector (JK351).
2. Remove the 3 screws (❶~❸).

Ref. No. 12 — Removal of the main P.C.B.

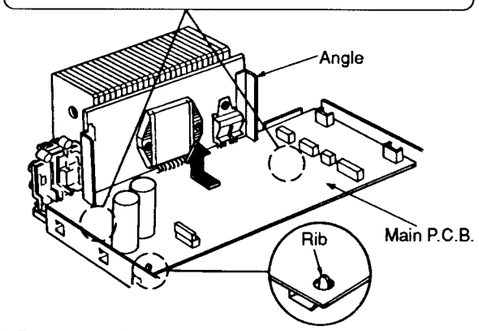
Procedure 1→2→4→6 →7→11→12



1. Remove the 4 screws (❶~❹).
2. Remove the flat cable (J703-1, J703-2).

■ **NOTE**
- Insert the projection on the angle into the hole of the bottom board ass'y and then install the Main P.C.B.

[Bottom view]

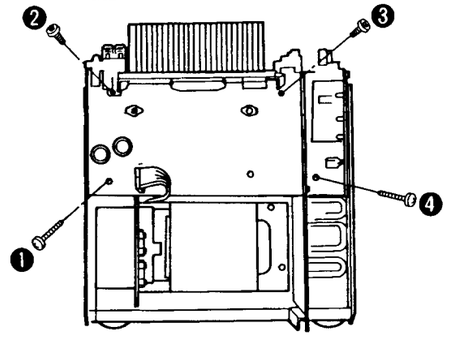


3. Remove the rib.
4. Remove the main P.C.B. in the direction of arrow.

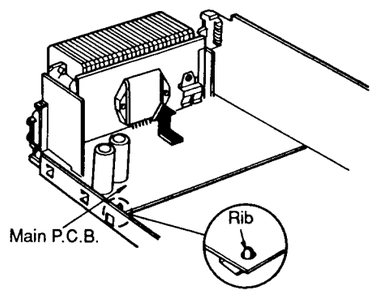
Ref. No. 13 — How to check the Main P.C.B.

Procedure 1→2→4→11 →13

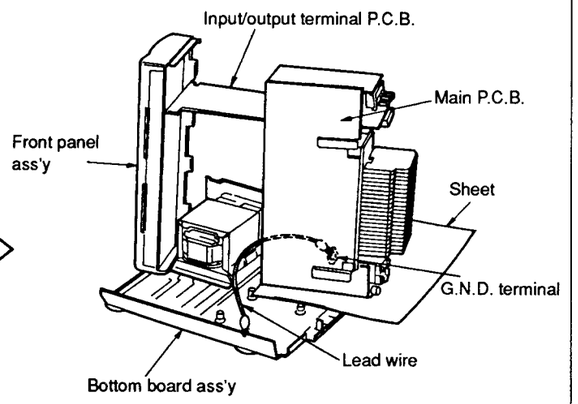
- When checking the soldered surfaces of main P.C.B. and replacing the parts, do as shown below.



1. Remove the 4 screws (❶~❹).



2. Remove the rib.
3. Remove the main P.C.B. in the direction of arrow.



4. Connect the G.N.D. terminal to the bottom board ass'y by the lead wire.
5. Reinstall the front panel ass'y to the input/output terminal P.C.B.

Terminal

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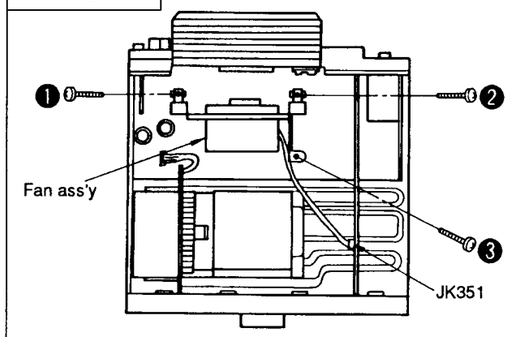
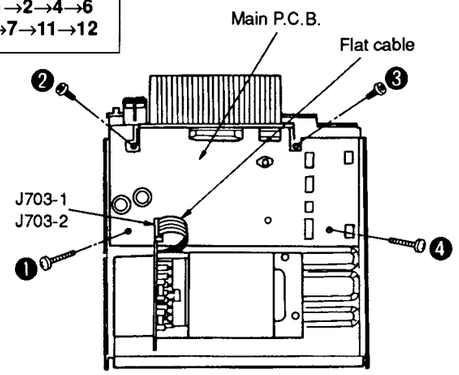
Ref. No. 11	Removal of the Fan Ass'y
Procedure 1→11	



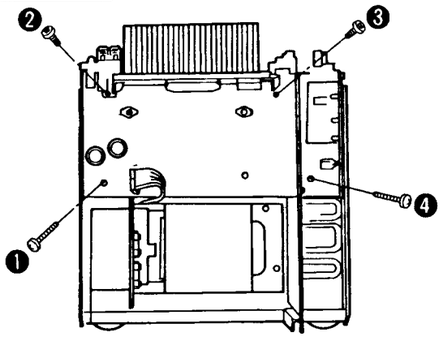
1. Remove the connector (JK351).
2. Remove the 3 screws (❶~❸).

Ref. No. 12	Removal of the main P.C.B.
Procedure 1→2→4→6 →7→11→12	

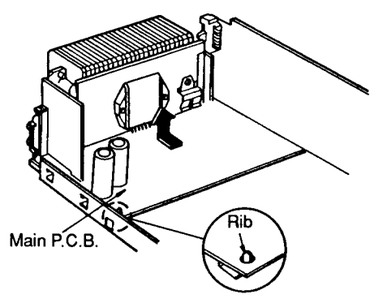


1. Remove the 4 screws (❶~❹).
2. Remove the flat cable (J703-1, J703-2).

Ref. No. 13	How to check the Main P.C.B.
Procedure 1→2→4→11 →13	• When checking the soldered surfaces of main P.C.B. and replacing the parts, do as shown below.



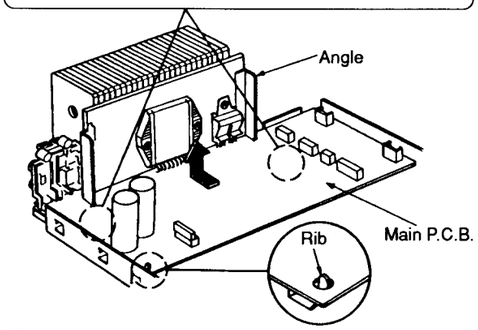
1. Remove the 4 screws (❶~❹).



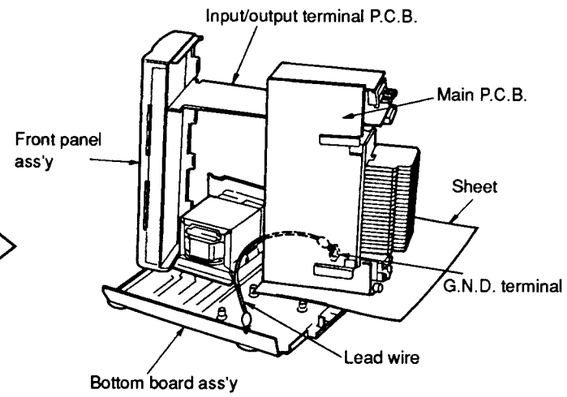
2. Remove the rib.
3. Remove the main P.C.B. in the direction of arrow.

■ NOTE
• Insert the projection on the angle into the hole of the bottom board ass'y and then install the Main P.C.B.

[Bottom view]

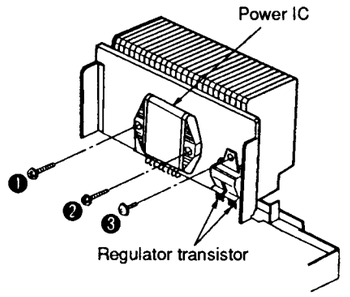


3. Remove the rib.
4. Remove the main P.C.B. in the direction of arrow.



4. Connect the G.N.D. terminal to the bottom board ass'y by the lead wire.
5. Reinstall the front panel ass'y to the input/output terminal P.C.B.

Ref. No. 14	Removal of the Power IC and Regulator Transistor
Procedure 1→2→4→6 →7→11→12→14	



1. Unsolder the power IC or regulator transistors.
2. Remove the 3 screws (❶~❸).

• When mounting the power IC or regulator transistor, apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistors.

Ref. No. 15	Removal of the Fan Ass'y
Procedure 1→11→15	

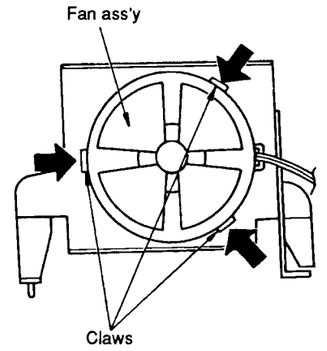


Fig.1

1. Release the 3 claws (shown in Fig. 1).

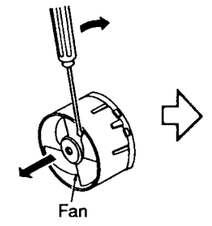


Fig.2

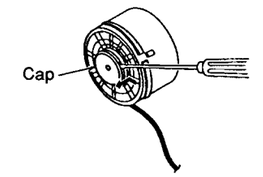


Fig.3

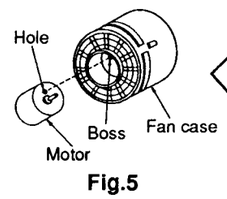


Fig.5

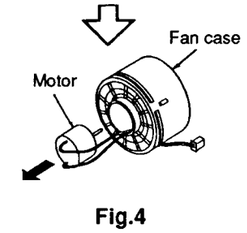
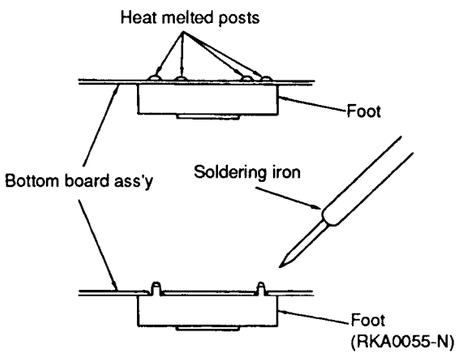


Fig.4

2. Insert a screwdriver at the root of the fan (shown in Fig. 2).
3. Remove the cap (shown in Fig.3).
4. Remove the motor from the fan case (shown in Fig. 4).
5. When mounting the motor, align the fan case projection with the hole of the motor (shown in Fig.5).

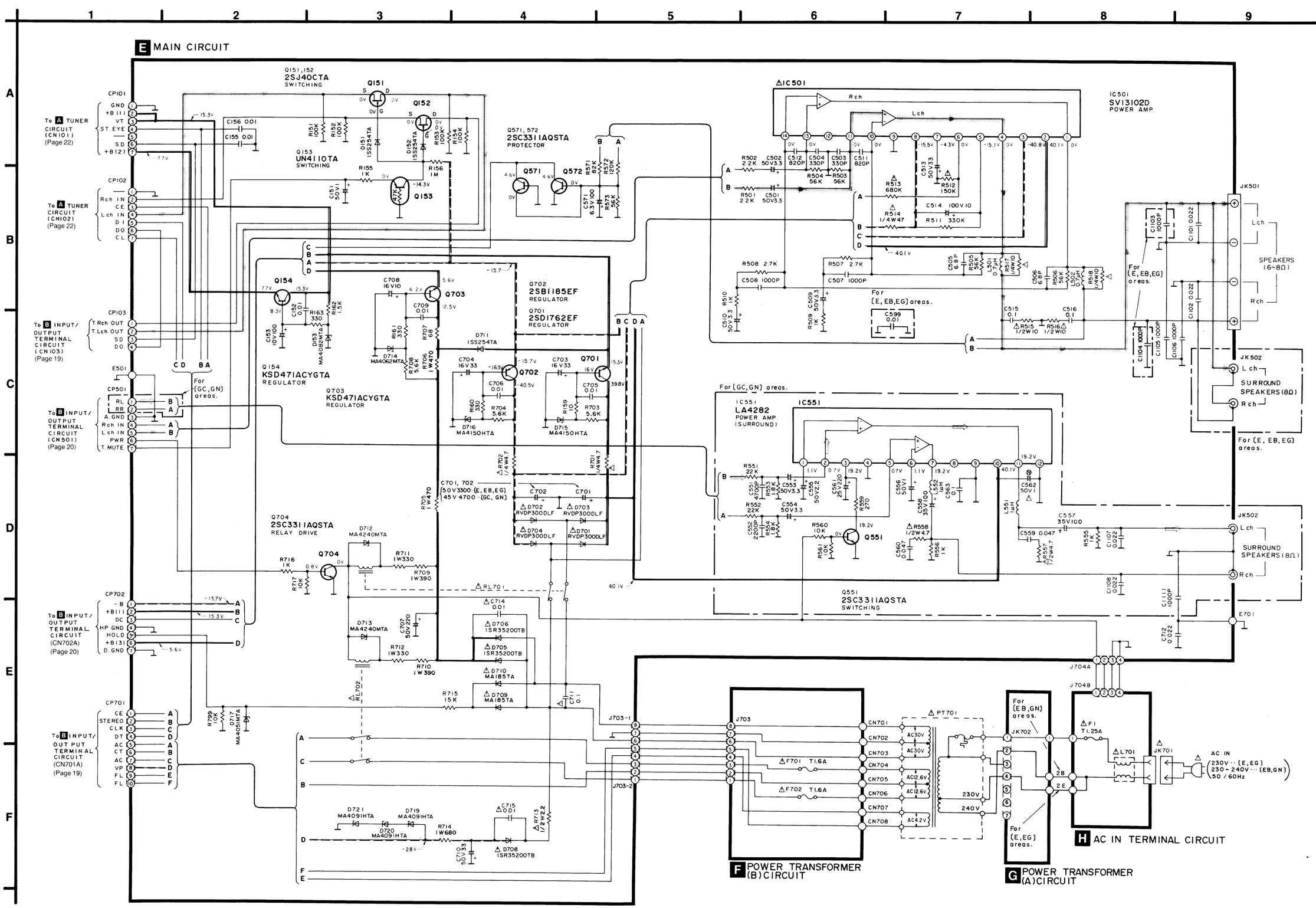
• Replacement of the Foot

1. Remove the 4 heat melted posts on the Bottom board ass'y with a pair of nippers or similar tool.
2. To replace the foot (RKA0055-N) on the Bottom board ass'y , melt the 4 posts with a soldering iron.



SA-CH750 SA-CH750

■ SCHEMATIC DIAGRAM •MAIN, POWER TRANSFORMER (A)/(B) AND AC IN TERMINAL CIRCUIT (Parts list on pages 33~37.)



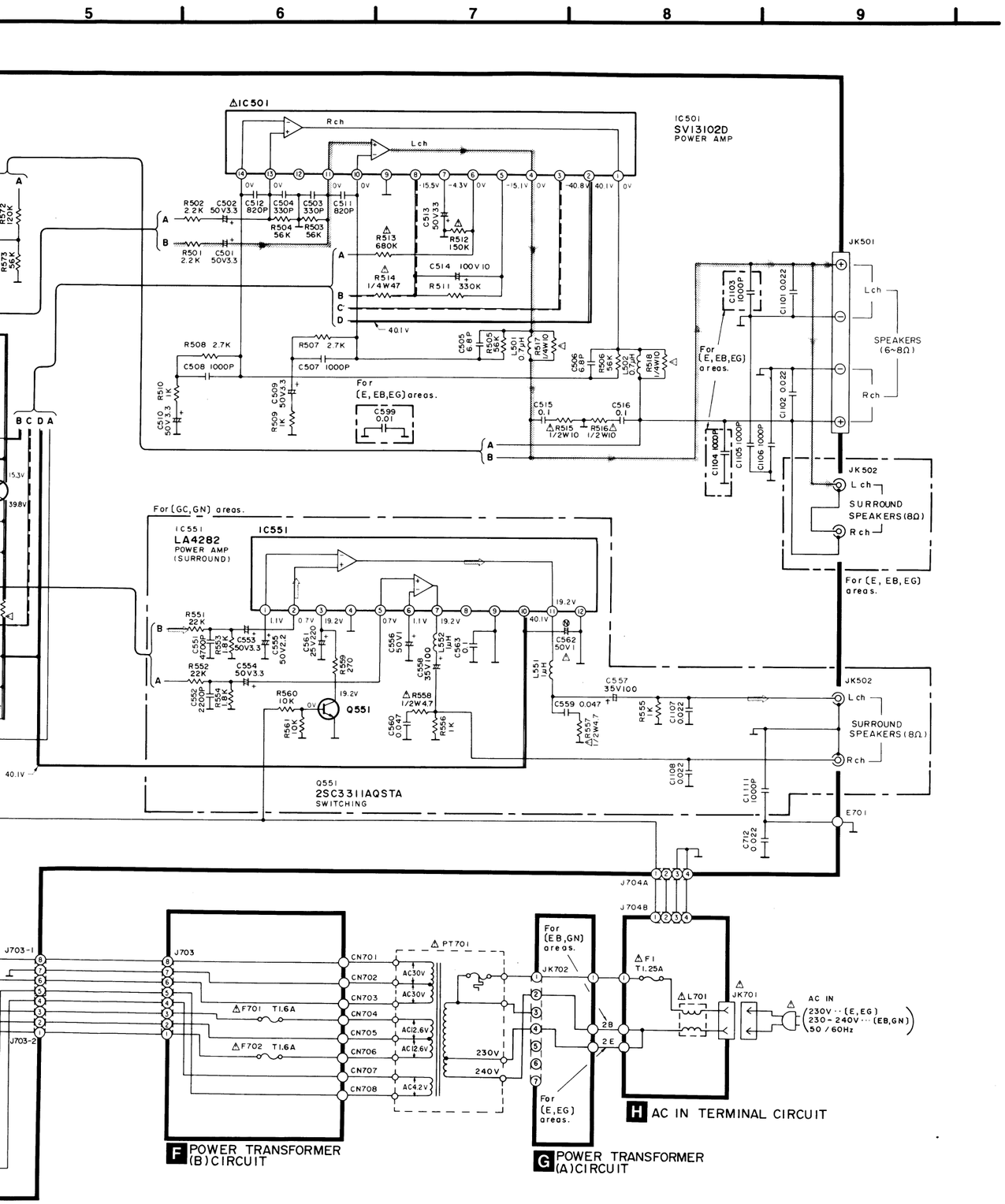
Notes:

- •S601
- •S602
- •S603
- •S604
- •S605
- •S606
- •S607
- •S608
- •S609
- •S610
- •S611
- •S612
- •S613
- •S614
- •S615
- •S616
- •S617
- •S618
- •S619
- •S620
- •S701
- •Indicated volt chassis taker Therefore, th No mark: FM
- •Important saf Components Furthermore, are used. Wh
- •**Caution!** IC and LSI ar Secondary tr Cover the par Ground the s Put a conduc Do not touch
- •The supply p

Ref. No.	
IC202	
IC203 IC351	
IC301	
IC602	

- •**This schema**

C IN TERMINAL CIRCUIT (Parts list on pages 33~37.)



Notes:

- ●S601 : Power "STANDBY ⏻/ON" switch (POWER/STANDBY ⏻/ON)
- ●S602 : Timer recording switch (REC TIMER)
- ●S603 : Timer play switch (PLAY TIMER)
- ●S604 : Clock/timer switch (CLOCK/TIMER)
- ●S605 : Timer select switch (▼)
- ●S606 : Timer select switch (▲)
- ●S607 : Setting switch (SET)
- ●S608 : Preset memory switch (MEMORY, -MANUAL, –AUTO)
- ●S609 : Preset tuning switch (▼)
- ●S610 : Preset tuning switch (▲)
- ●S611 : Band select/allocation charge switch (-BAND –ALLOCATION)
- ●S612 : Tuning switch (▼)
- ●S613 : Tuning switch (▲)
- ●S614 : Input selector switch (TUNER)
- ●S615 : Input selector switch (CD)
- ●S616 : Input selector switch (TAPE)
- ●S617 : Input selector switch (PHONO)
- ●S618 : Input selector switch (DAT)
- ●S619 : Input selector switch (VDP)
- ●S620 : Input selector switch (VCR)
- ●S701 : VOLTAGE SELECTOR switch in "220 V" position (110 V/127 V/220 V/240 V) for (GC) area only

●Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
No mark: FM mode ( ): MW mode < >: LW mode

●Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

●Caution!
IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
Cover the parts boxes made of plastics with aluminum foil.
Ground the soldering iron.
Put a conductive mat on the work table.
Do not touch the legs of IC or LSI with the fingers directly.

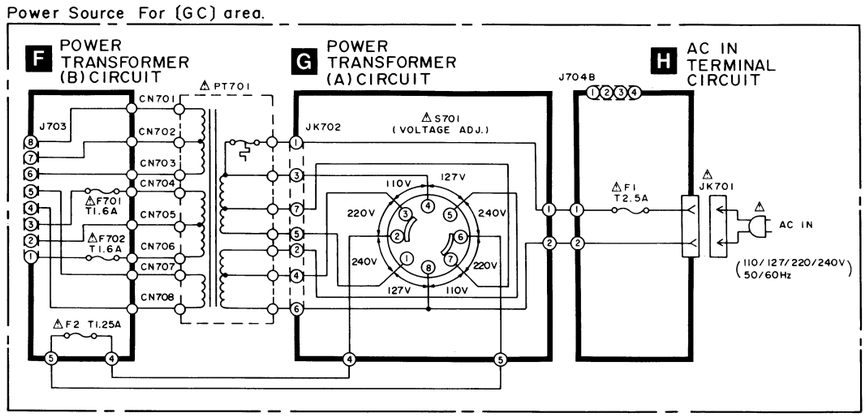
●The supply part number is described alone in the replacement parts list.

Ref. No.	Production Parts No.	Supply Parts No.
IC202	M5219FPTA	M5219FP
IC203 IC351	BA4558FT1	SVIBA4558F
IC301	M5218AL	M5218L
IC602	RCDHC-278-E	RCDHC-278

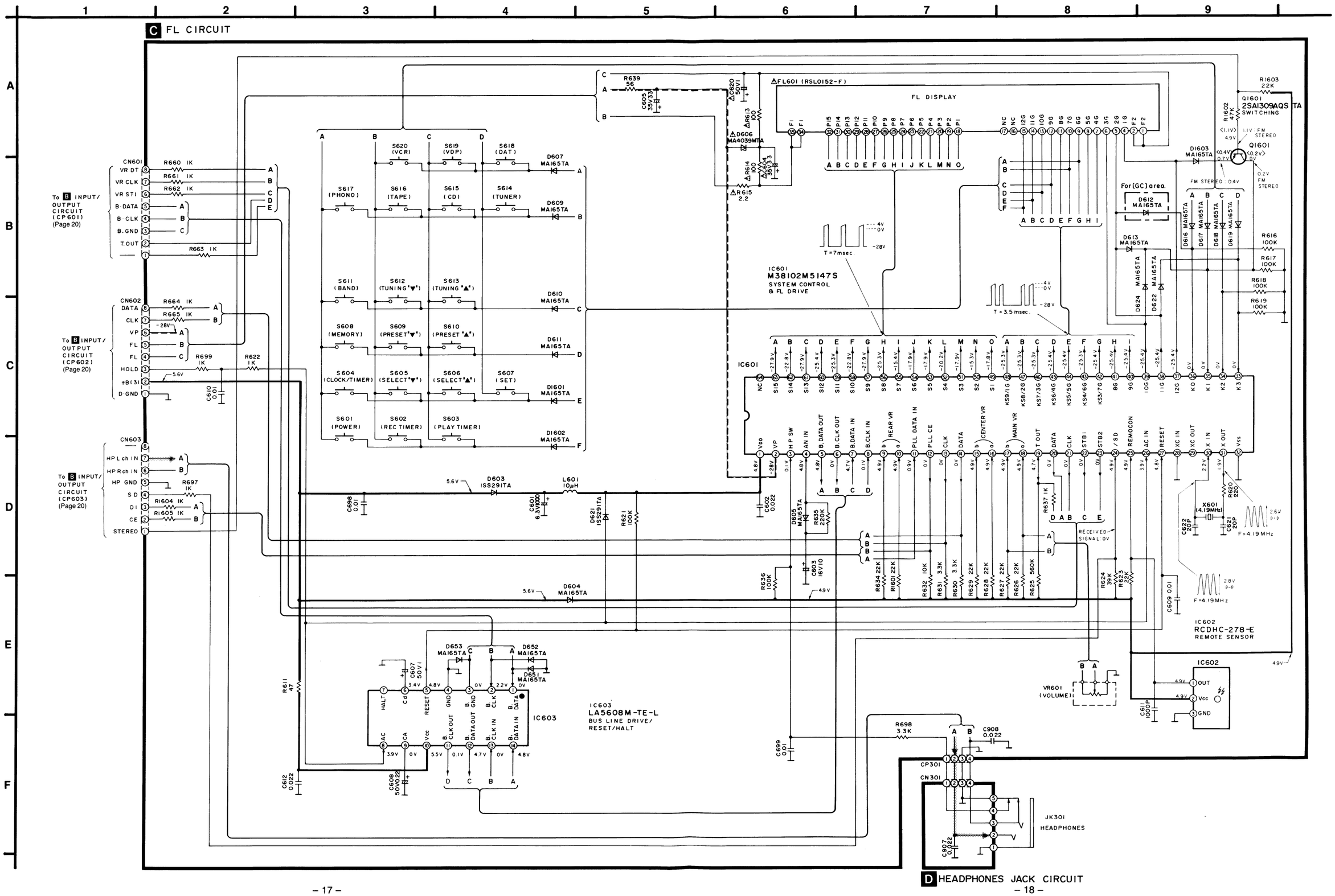
: Positive voltage line
: Negative voltage line
: AF signal line
: Surround SP. drive signal line

●This schematic diagram may be modified at any time with the development of new technology.

Power Source For (GC) area.



■ SCHEMATIC DIAGRAM •FL AND HEADPHONES CIRCUIT (Parts list on pages 33~37.)



■ SCHEMATIC DIAGRAM •INPUT/OUTPUT TERMINAL CIRCUIT (Parts list on pages 33~37.)

: Positive voltage line
: Negative voltage line
: AF signal line
: Surround SP. drive signal line

B INPUT/OUTPUT TERMINAL CIRCUIT

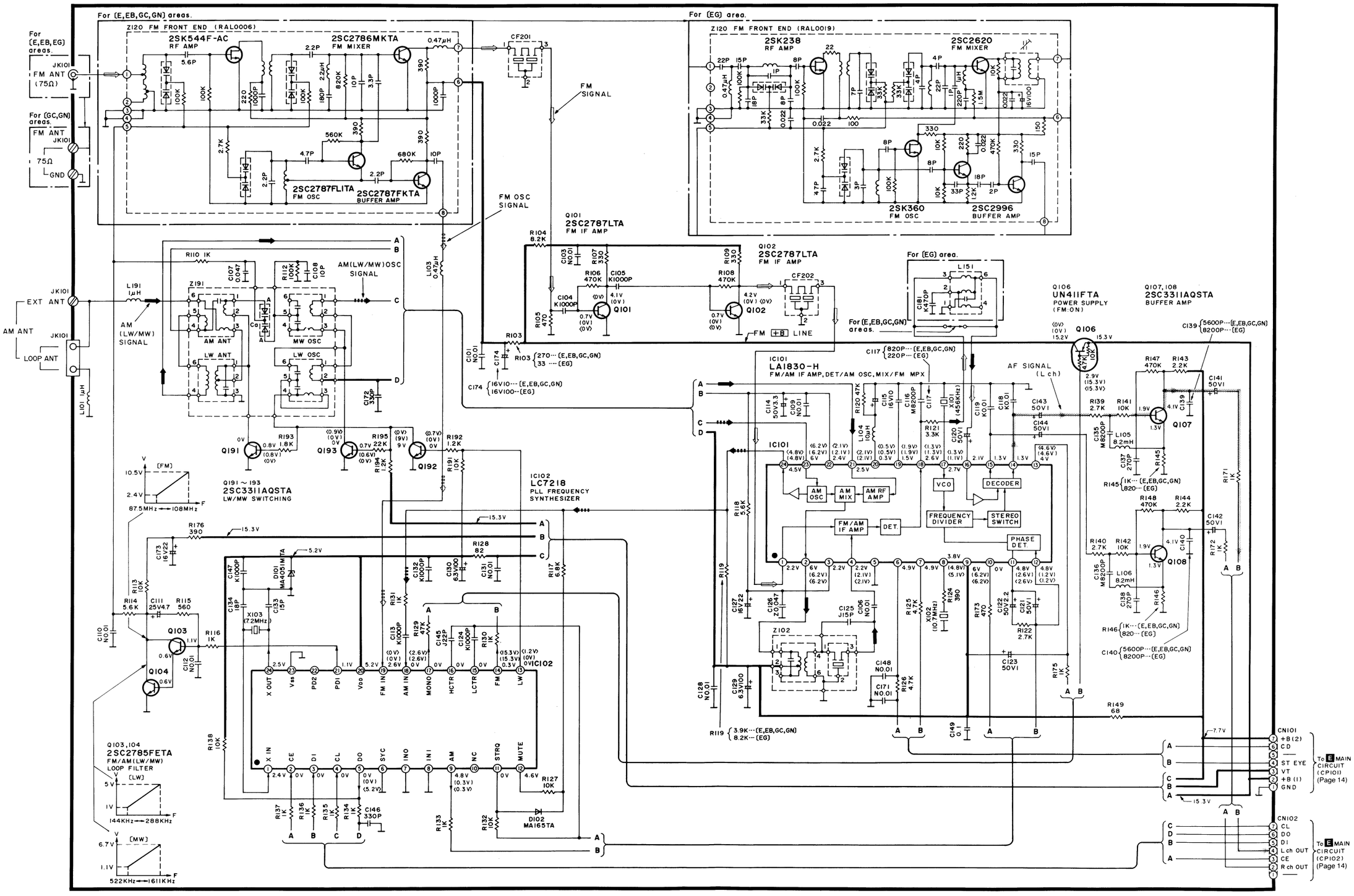
JK351 FAN MOTOR
Q371 2SC3311AQSTA MOTOR DRIVE
Q354 2SC3311AQSTA SWITCHING
JK201
To SH-CH750/SL-CH750 (JK101/JK801)
For (GC, GN) areas.
Q401, 402 2SK381BCTA SWITCHING
Q451 UN4110TA SWITCHING(SURROUND)
IC201 LC7536 ELECTRIC VOLUME
IC202 M5219FPTA BUFFER AMP
Q352, 361 KSD471ACYGTA MOTOR DRIVE
Q362 2SC3327ABTP MOTOR DRIVE
IC351 BA4558FTI SIGNAL LEVEL DET.
IC801 BU2040F-T2 SYSTEM CONTROL
Q251 UN4115TA MUTING
IC203 BA4558FTI BUFFER AMP
Q303 UN4111TA MUTING CONT.
IC301 M5218AL HEADPHONE AMP
Q201, 202 2SD1450STA MUTING
Q203, 204 2SD1450STA MUTING
Q301, 302 2SD1450STA MUTING
Q801 UN4111TA RELAY DRIVE
Q252 UN4115TA MUTING CONT.
SURROUND SP DRIVE SIGNAL For (GC, GN) areas.
CN701A
To E MAIN CIRCUIT (CP701) (Page 14)
CN103
To E MAIN CIRCUIT (CP103) (Page 14)
CP601 To C FL CIRCUIT (CN601) (Page 17)
CP602 To C FL CIRCUIT (CN602) (Page 17)
CP603 To C FL CIRCUIT (CN603) (Page 17)
CN702A To E MAIN CIRCUIT (CP702) (Page 14)
CN501 To E MAIN CIRCUIT (CP501) (Page 14)

■ SCHEMATIC DIAGRAM •TUNER CIRCUIT (Parts list on pages 33~37.)

: AM (LW/MW) signal line
: AM (LW/MW) OSC signal line
: FM signal line
: FM OSC signal line

A TUNER CIRCUIT

•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester. No mark: FM mode ( ): MW mode < >: LW mode



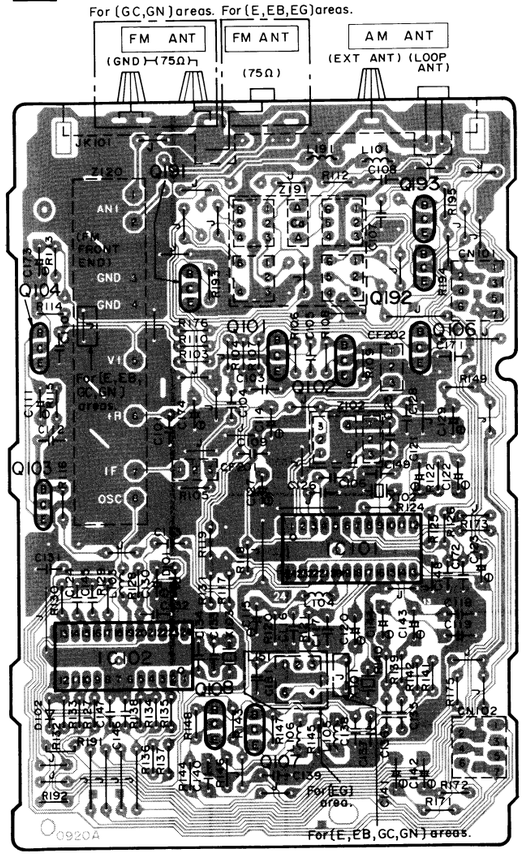
■ PRINTED CIRCUIT BOARD DIAGRAM

1 2 3 4 5 6 7 8 9

A B C D E F

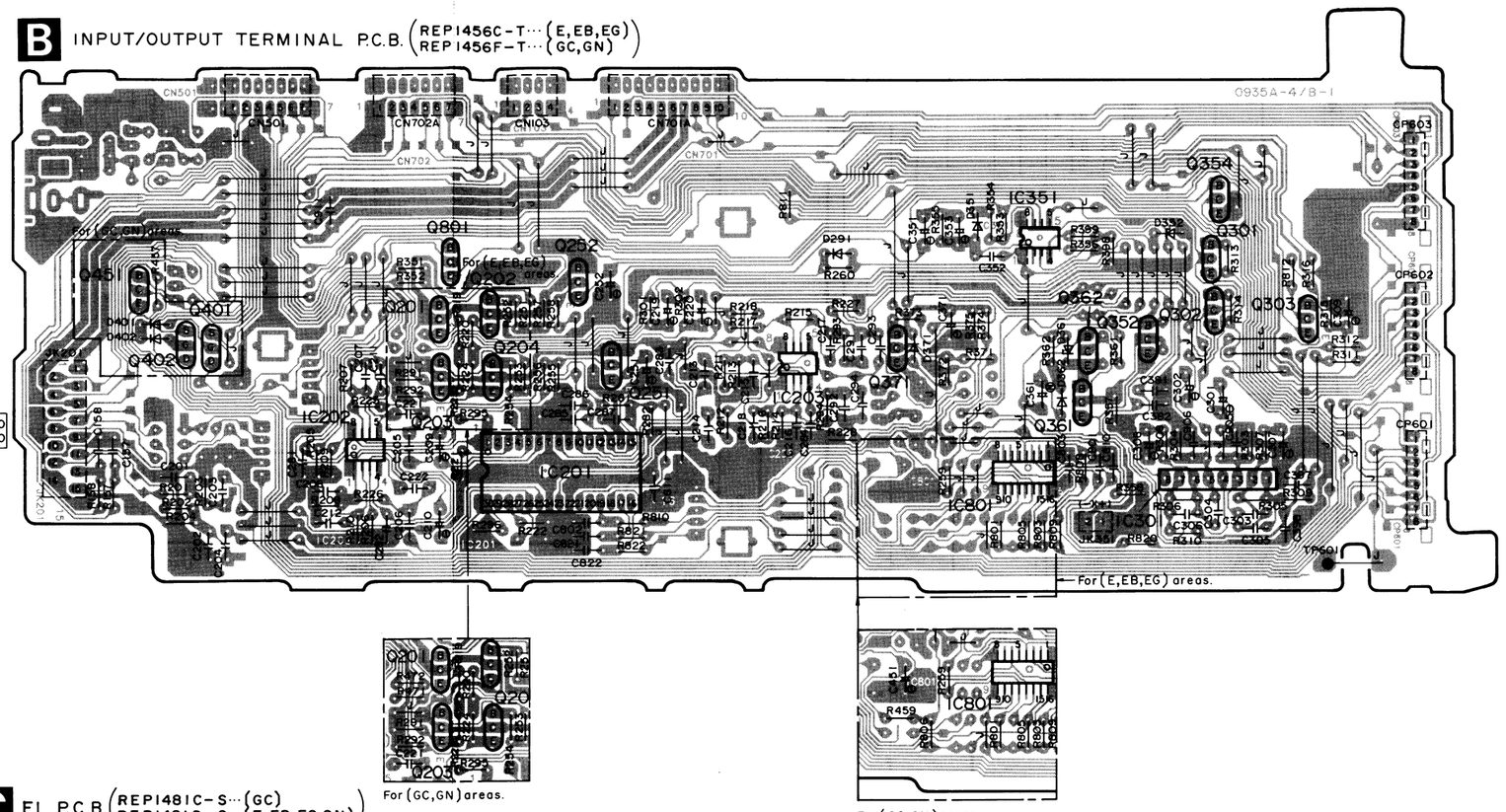
●This circuit board diagram may be modified at any time with the development of new technology.

A TUNER P.C.B. (REPI452C-T··· (EG) / REPI452D-T··· (E,EB) / REPI452E-T··· (GC,GN))

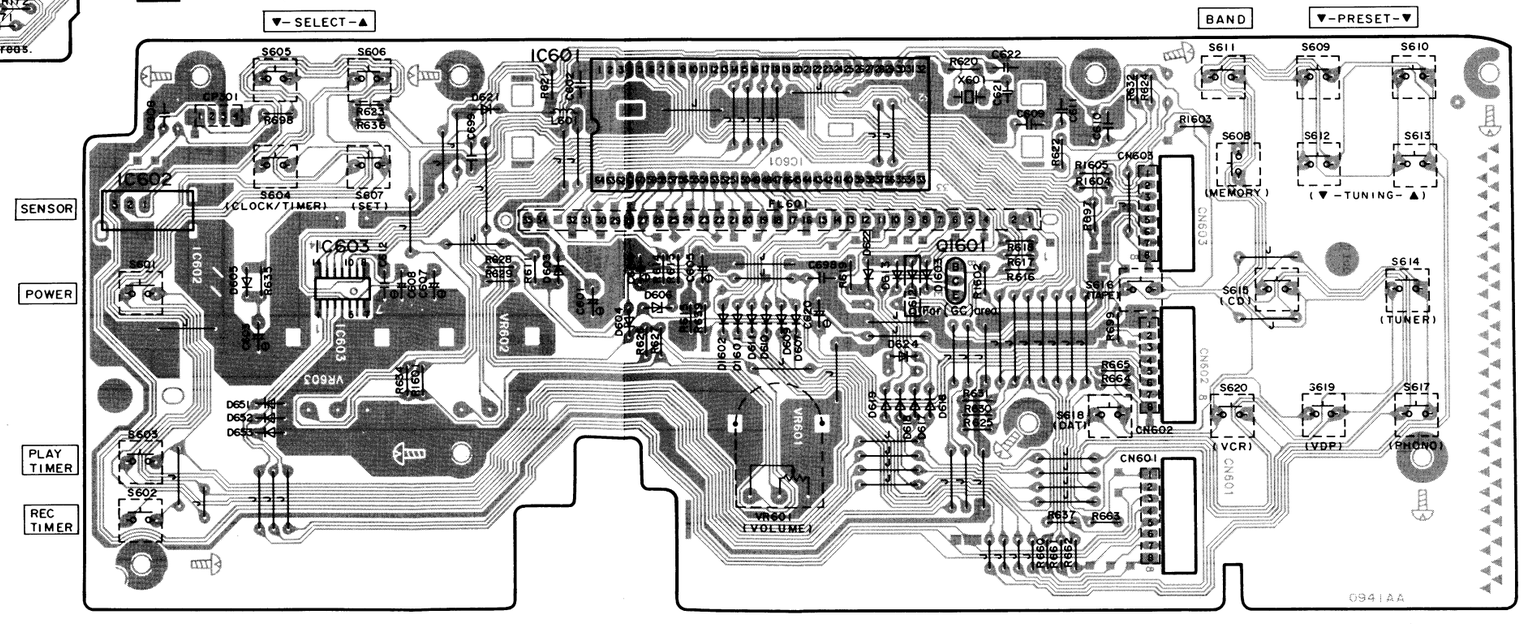


B INPUT/OUTPUT TERMINAL P.C.B. (REPI456C-T··· (E,EB,EG) / REPI456F-T··· (GC,GN))

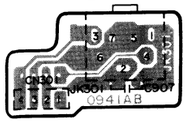
SH-CH750
SL-CH750



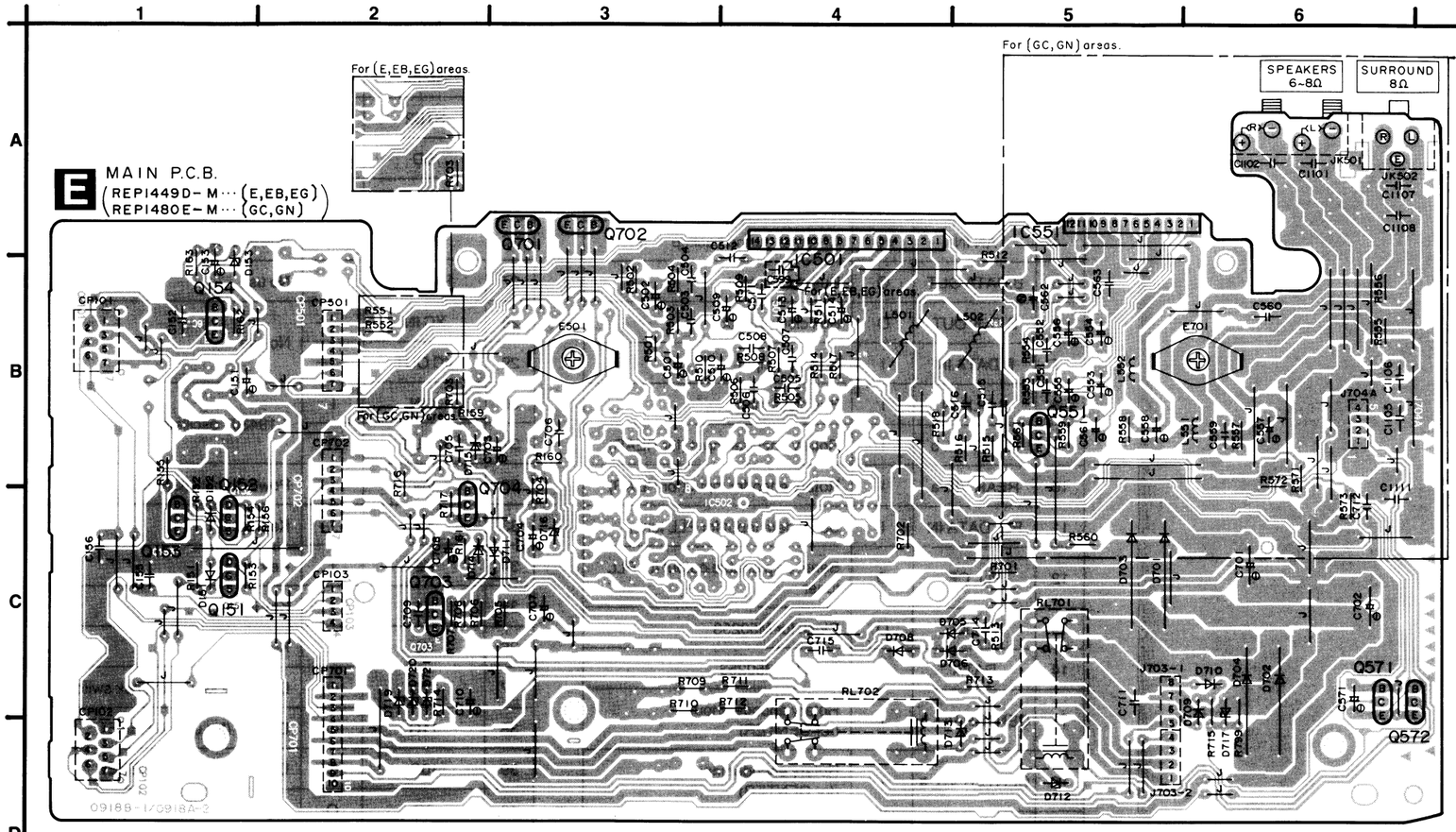
C FL P.C.B. (REPI481C-S···(GC) / REPI481D-S···(E,EB,EG,GN))

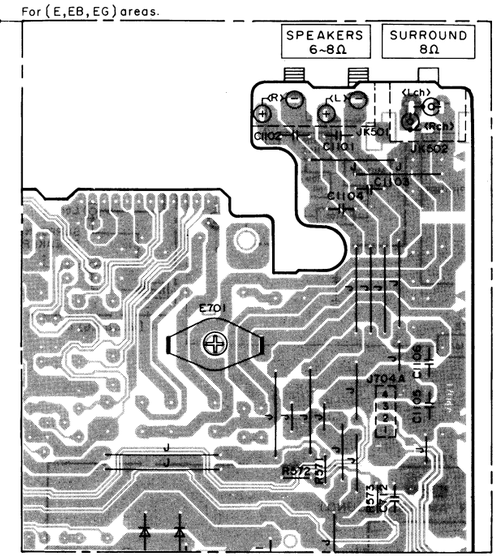


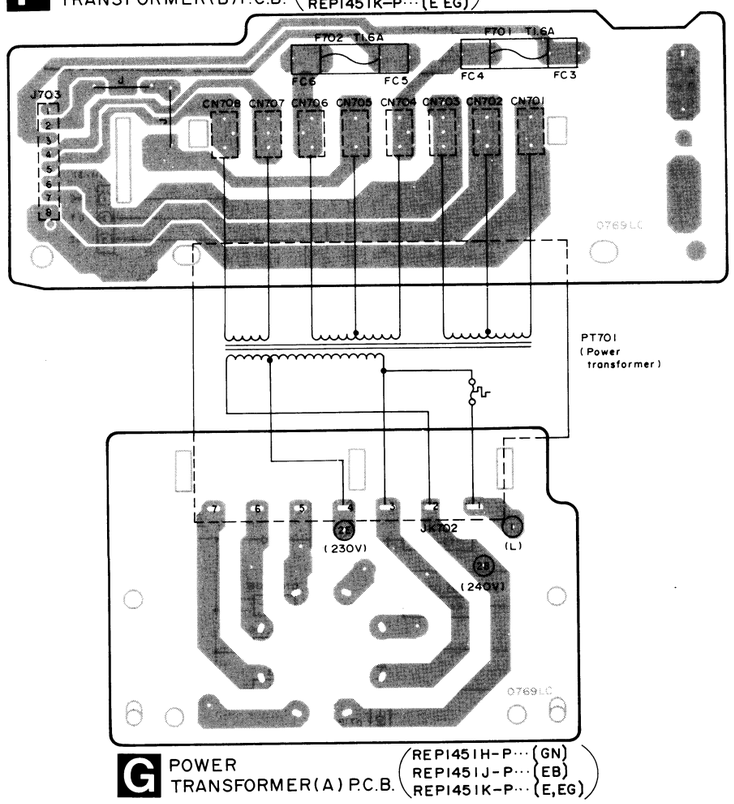
D HEADPHONES JACK P.C.B. (REPI481C-S···(GC) / REPI481D-S···(E,EB,EG,GN))



■ PRINTED CIRCUIT BOARD DIAGRAM



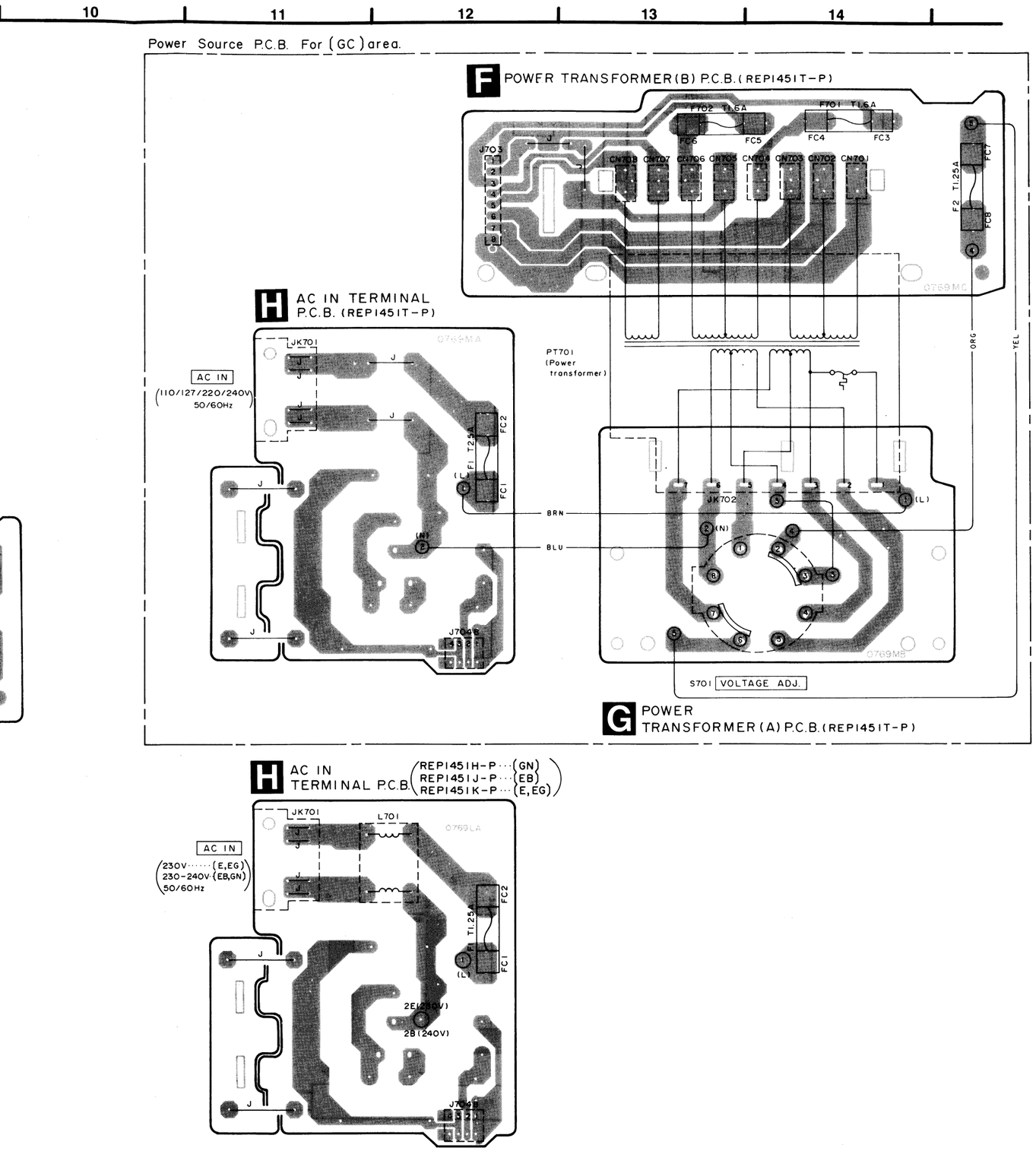


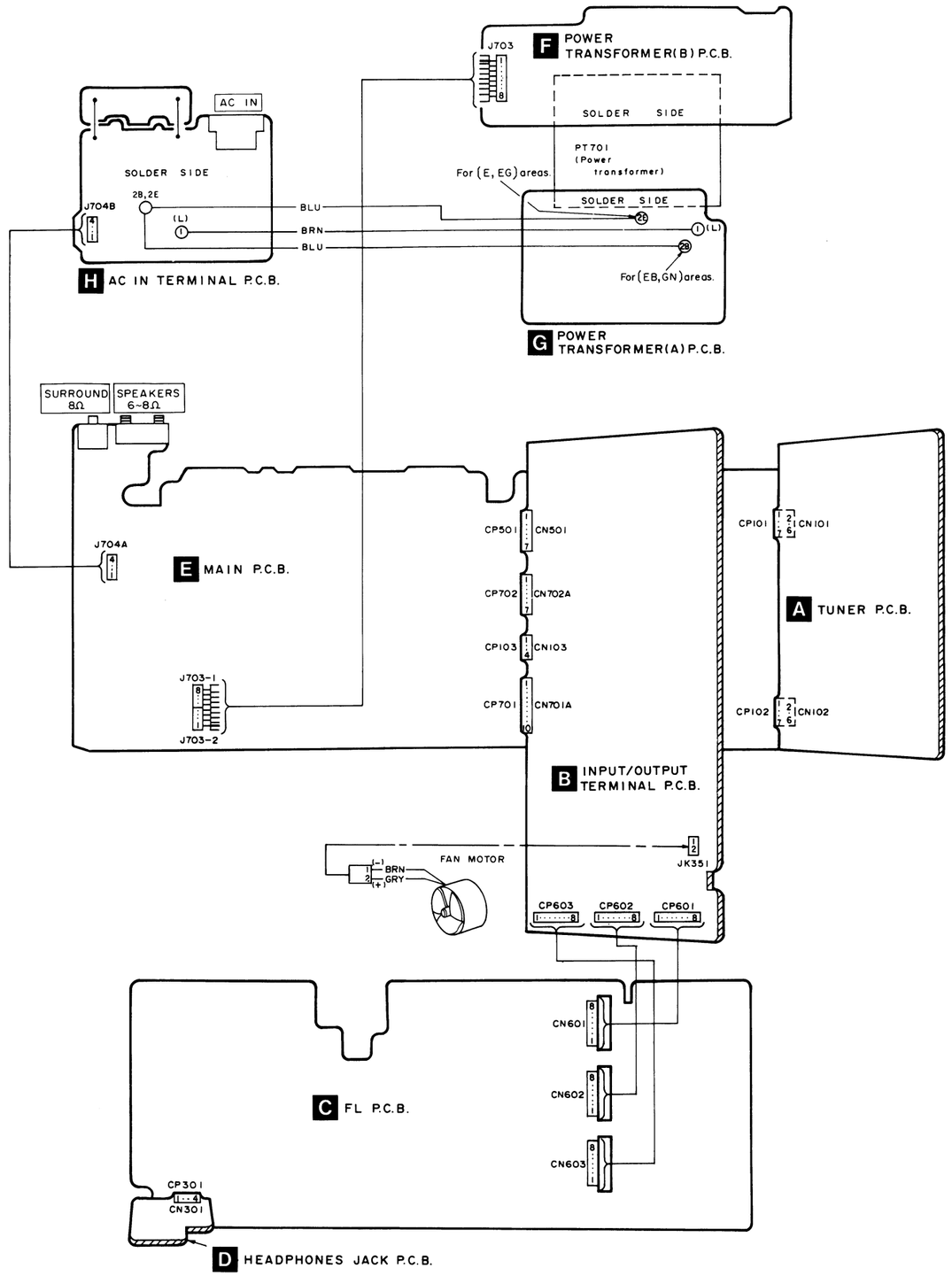


•Terminal guide of IC's, transistors and diodes

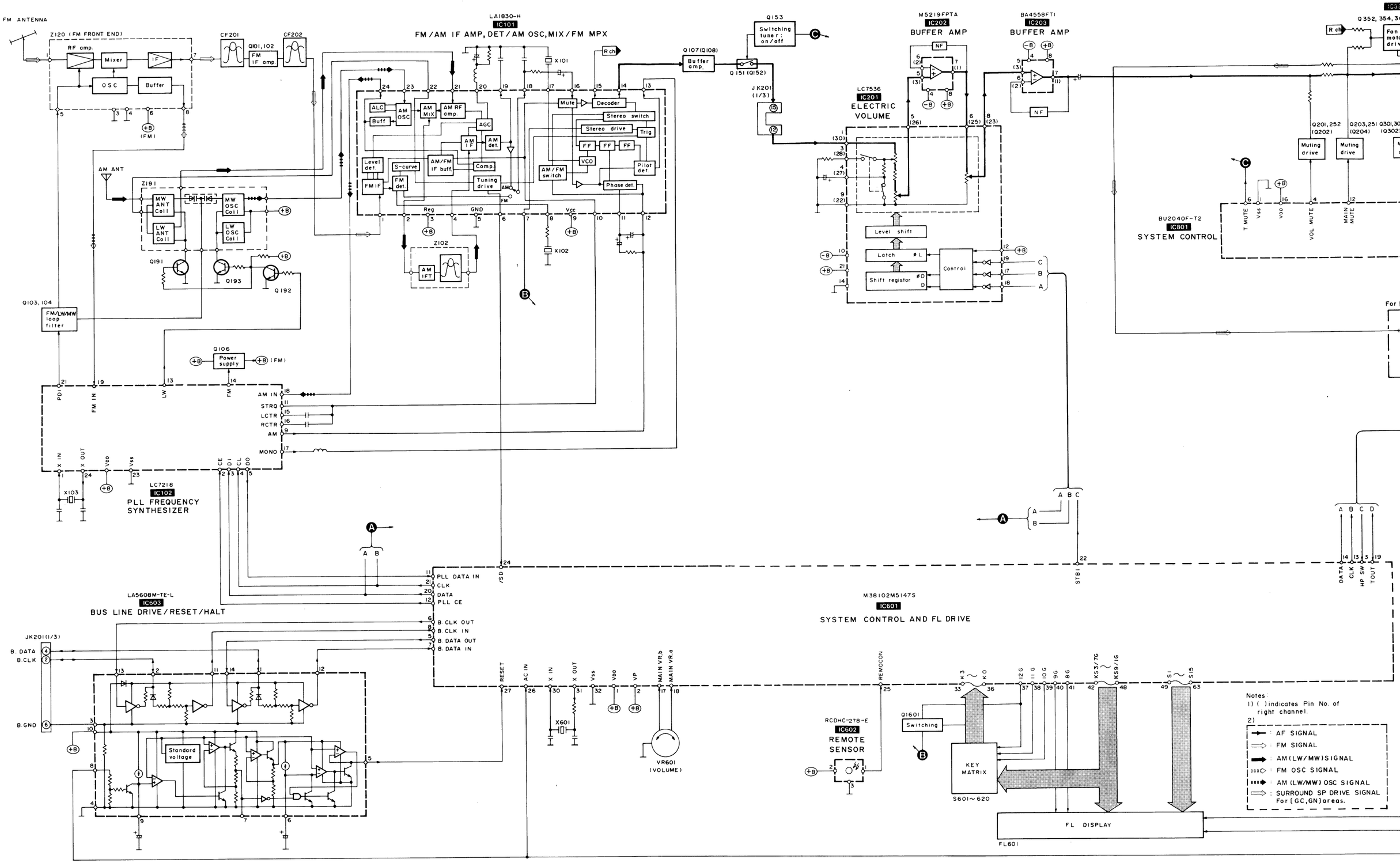
BA4558FT1	LA5608M-TE-L 14Pin BU2040F-T2 16Pin M5219FPTA 8Pin		LA1830-H LC7218	LC7536	M38102M5147S	M5218AL	LA4282
SVI3102D	RCDHC-278-E	UN4111TA 2SC3327ABTP	2SA1309AQSTA 2SC2785FETA 2SC2787LTA 2SC3311AQSTA 2SD1450STA UN411FTA UN4115TA UN4110TA	2SB1185EF 2SD1762EF	KSD471ACYGTA	2SJ40CTA 2SK381BCTA	
MA165TA MA185TA 1SS254TA 1SR35200TB		1SS291TA	MA4150HTA MA4240MTA		MA4039MTA MA4051MTA MA4062MTA MA4082MTA MA4091HTA MA4068MTA MA4091LTA	RVDP300DLF	

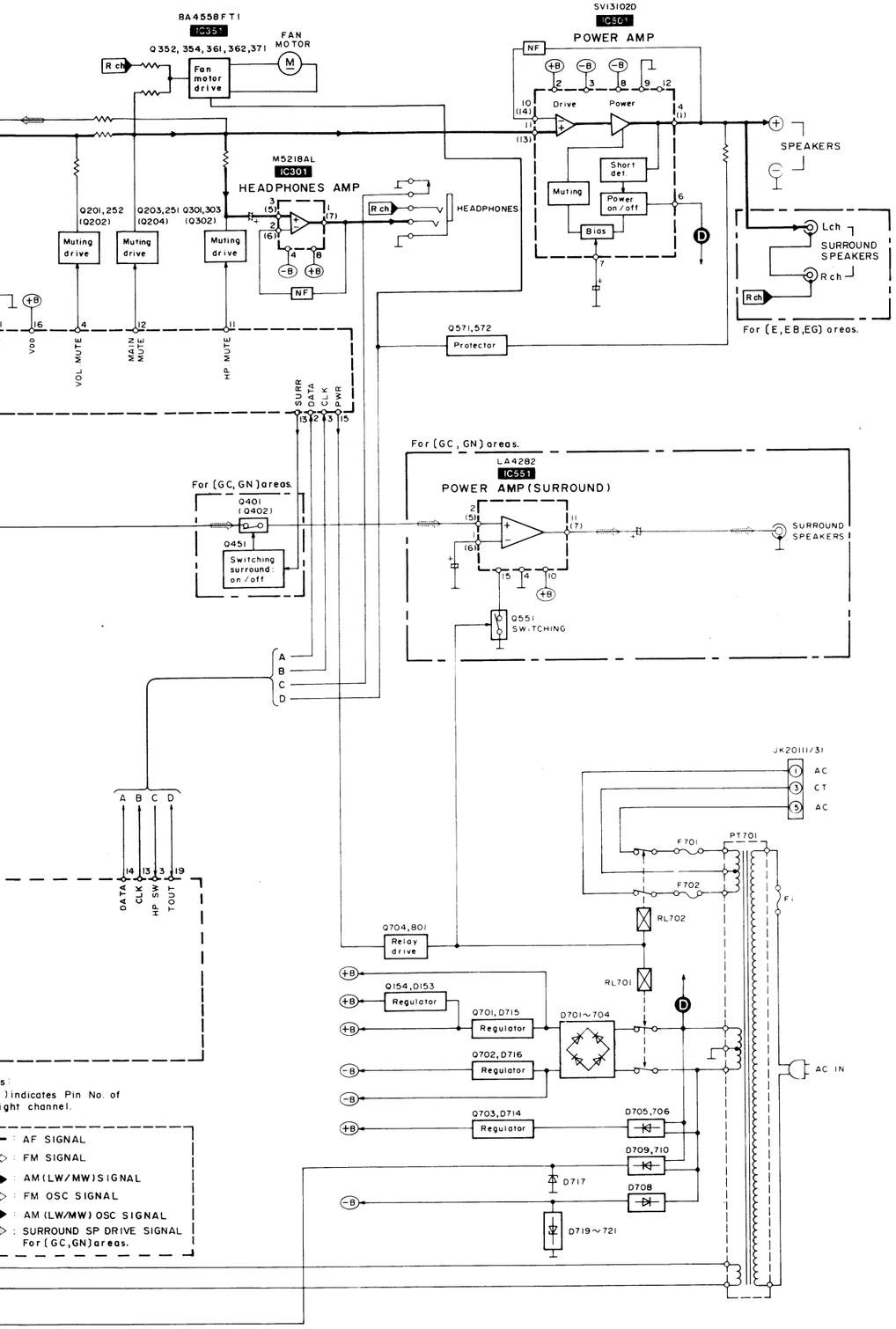
■ WIRING CONNECTION DIAGRAM





■ BLOCK DIAGRAM





■ FUNCTION OF IC TERMINALS

•IC601 (M38102M5147S)

Pin No.	Terminal Name	I/O	Function
1	V_{DD}	——	Power supply (+5 V)
2	VP	——	Pull-down voltage
3	HP. SW	I	Headphone switch detection
4	AN IN	I/O	CR timer during backup
5	B.DATA OUT	O	Bus data output
6	B.CLK OUT	O	Bus clock output
7	B.DATA IN	I	Bus data input
8	B.CLK IN	I	Bus clock input
9	REAR VR. b	I	Rotary encoder input (for REAR)
10	REAR VR. a	I	Rotary encoder input (for REAR)
11	PLL DATA IN	I	Serial data input for PLL tuner
12	PLL CE	O	Serial chip enable output for PLL tuner
13	CLK	O	Clock for M50253
14	DATA	O	Data for M50253
15	CENTER VR. b	I	Rotary encoder input (for CENTER)
16	CENTER VR. a	I	Rotary encoder input (for CENTER)
17	MAIN VR. b	I	Rotary encoder input (for MAIN)
18	MAIN VR. a	I	Rotary encoder input (for MAIN)
19	T OUT	I/O	I: Starting clock adjustment O: 131.072 kHz (POWER OFF) Malfunction detection (POWER ON)
20	DATA	O	Data output for LC7536 & PLL tuner
21	CLK	O	Clock output for LC7536 & PLL tuner
22	STB1	O	Strobing for LC7536 (switched)

Pin No.	Terminal Name	I/O	Function
23	STB2	——	No use
24	/SD	I	Tuner/SD input
25	REMOCON	I	Remote control input
26	AC IN	I	Power down input
27	RESET	I	No use
28	XC IN	——	No use
29	XC OUT	——	
30	X IN	I	4.194304 oscillator
31	X OUT	O	
32	V_{SS}	——	Power supply (GND)
33	K3	I	Key input
34	K2	I	Key input
35	K1	I	Key input
36	K0	I	Key input
37	12G	O	Digit 12 & key scan (lock switch)
38	11G	O	Digit 11 (No use) & RESET
39	10G	O	Digit 10 (No use) & RESET
40	9G	O	Digit 9
41	8G	O	Digit 8
42	KS3/7G	O	Digit 7 & key scan
43	KS4/6G	O	Digit 6 & key scan
44	KS5/5G	O	Digit 5 & key scan
45	KS6/4G	O	Digit 4 & key scan
46	KS7/3G	O	Digit 3 & key scan
47	KS8/2G	O	Digit 2 & key scan
48	KS9/1G	O	Digit 1 & key scan
49 ~ 63	S1 ~ S15	O	Segment output
64	NC	——	No use

■ REPLACEMENT PARTS LIST

Notes: •Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
•The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
•Remote Control Ass'y:
Supply period for three years from termination of production.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC101	LA1830-H	I. C, FM/AM IF AMP. /AM OSC	
IC102	LC7218	I. C, PLL FREQ. SYNTHESIZER	
IC201	LC7536	I. C, ELECTRIC VOLUME	
IC202	M5219FP	I. C, BUFFER AMP.	
IC203	SVIBA4558F	I. C, BUFFER AMP.	
IC301	M5218L	I. C, HEADPHONE AMP.	
IC351	SVIBA4558F	I. C, SIGNAL DET.	
IC501	SVI3102D	I. C, POWER AMP.	⚠
IC551	LA4282	I. C, POWER AMP. (SURROUND)	(GC, GN)
IC601	M38102M5147S	I. C, FL DRIVE/SYSTEM CONT.	
IC602	RCDHC-278	I. C, REMOTE SENSOR	
IC603	LA5608M-TE-L	I. C, BUS LINE/HALT/RESET	
IC801	BU2040F-T2	I. C, SYSTEM CONT.	
		TRANSISTOR(S)	
Q101, 102	2SC2787L	TRANSISTOR	
Q103, 104	2SC2785FE	TRANSISTOR	
Q106	UN411FTA	TRANSISTOR	
Q107, 108	2SC3311A-Q	TRANSISTOR	
Q151, 152	2SJ40CTA	TRANSISTOR	
Q153	UN4110TA	TRANSISTOR	
Q154	KSD471ACYGTA	TRANSISTOR	
Q191-193	2SC3311A-Q	TRANSISTOR	
Q201-204	2SD1450RTA	TRANSISTOR	
Q251, 252	UN4115	TRANSISTOR	
Q301, 302	2SD1450RTA	TRANSISTOR	
Q303	UN4111	TRANSISTOR	
Q352	KSD471ACYGTA	TRANSISTOR	
Q354	2SC3311A-Q	TRANSISTOR	
Q361	KSD471ACYGTA	TRANSISTOR	
Q362	2SC3327-A	TRANSISTOR	
Q371	2SC3311A-Q	TRANSISTOR	
Q401, 402	2SK381BCDTA	TRANSISTOR	(GC, GN)
Q451	UN4110TA	TRANSISTOR	(GC, GN)
Q551	2SC3311A-Q	TRANSISTOR	(GC, GN)
Q571, 572	2SC3311A-Q	TRANSISTOR	
Q701	2SD1762EF	TRANSISTOR	
Q702	2SB1185EF	TRANSISTOR	
Q703	KSD471ACYGTA	TRANSISTOR	
Q704	2SC3311A-Q	TRANSISTOR	
Q801	UN4111	TRANSISTOR	
Q1601	2SA1309A-R	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
		DIODE(S)	
D101	MA4051MTA	DIODE	
D102	MA165	DIODE	
D151, 152	1SS254TA	DIODE	
D153	MA4082MTA	DIODE	
D291	MA165	DIODE	
D351	MA165	DIODE	
D352	MA4068M	DIODE	
D361	MA4091LTA	DIODE	
D362	MA165	DIODE	
D371	MA165	DIODE	
D401, 402	MA165	DIODE	(GC, GN)
D603	1SS291TA	DIODE	
D604, 605	MA165	DIODE	
D606	MA4039MTA	DIODE	⚠
D607	MA165	DIODE	
D609-611	MA165	DIODE	
D612	MA165	DIODE	(GC)
D613	MA165	DIODE	
D616-619	MA165	DIODE	
D621	1SS291TA	DIODE	
D622	MA165	DIODE	
D624	MA165	DIODE	
D651-653	MA165	DIODE	
D701-704	RVDP300DLF	DIODE	⚠
D705, 706	1SR35200TB	DIODE	⚠
D708	1SR35200TB	DIODE	⚠
D709, 710	MA185TA	DIODE	⚠
D711	1SS254TA	DIODE	
D712, 713	MA4240H	DIODE	
D714	MA4062MTA	DIODE	
D715, 716	MA4150M	DIODE	
D717	MA4051MTA	DIODE	
D719-721	MA4091HTA	DIODE	
D1601-1603	MA165	DIODE	
		VARIABLE RESISTOR(S)	
VR601	EVQWWVF2024B	V. R, MAIN VOLUME CONTROL	
		COMPONENT COMBINATION(S)	
Z102	RLI2Z006M-T	COMPONENT COMBINATION	
Z120	RAL0006	TUNER PACK(FM FRONT END)	(E, EB, GC, GN)

Ref. No.	Part No.	Part Name & Description	Remarks
Z120	RALO019	TUNER PACK(FM FRONT END)	(EG)
Z191	RLA6Z005M-T	COMPONENT COMBINATION	
		COIL(S)	
L101	ELESN1R0MA	COIL	
L103	ELEXTR47MA9	COIL	
L104	ELEXT100KA9	COIL	
L105, 106	RLQZB822KT-D	COIL	
L151	SLM1B10M-1M	COIL	(EG)
L191	ELESN1R0MA	COIL	
L501, 502	SLQY07G-40	COIL	
L551, 552	ELEV1R0KA	COIL	(GC, GN)
L601	ELEXT100KA9	COIL	
L701	RLQZ271M	COIL	⚠(E, EB, EG, GN)
		FILTER(S)	
CF201	RLFFETWND01M	FILTER	(E, EB, GC, GN)
CF201	RLFFETNGD01L	FILTER	(EG)
CF202	RLFFETWND01M	FILTER	(E, EB, GC, GN)
CF202	RLFFETMGD01L	FILTER	(EG)
		OSCILLATOR(S)	
X101	RSXZ456KM07M	OSCILLATOR(456KHz)	
X102	RLFDFTD03M	OSCILLATOR(10.7MHz)	
X103	SVQ49U722-S	OSCILLATOR(7.2MHz)	
X601	RSXA4M19S03	OSCILLATOR(4.19MHz)	
		DISPLAY(S)	
FL601	RSL0152-F	FL DISPLAY	⚠
		FUSE(S)	
F1	XBA2C12TB0S	FUSE 250V T1.25A	⚠(E, EB, EG, GN)
F1	XBA2C25TB0	FUSE 250V T2.5A	⚠(GC)
F2	XBA2C12TB0	FUSE 250V T1.25A	⚠(GC)
F701, 702	XBA2C16TB0	FUSE 250V T1.6A	⚠
		SWITCH(ES)	
S601	EVQ21405R	SW, POWER	
S602	EVQ21405R	SW, TIMER REC	
S603	EVQ21405R	SW, TIMER PLAY	
S604	EVQ21405R	SW, CLOCK/TIMER	
S605	EVQ21405R	SW, SELECT(DOWN)	
S606	EVQ21405R	SW, SELECT(UP)	
S607	EVQ21405R	SW, SET	
S608	EVQ21405R	SW, MEMORY	
S609	EVQ21405R	SW, PRESET(DOWN)	

Ref. No.	Part No.	Part Name & Description	Remarks
S610	EVQ21405R	SW, PRESET(UP)	
S611	EVQ21405R	SW, BAND	
S612	EVQ21405R	SW, TUNING(DOWN)	
S613	EVQ21405R	SW, TUNING(UP)	
S614	EVQ21405R	SW, TUNER	
S615	EVQ21405R	SW, CD	
S616	EVQ21405R	SW, TAPE	
S617	EVQ21405R	SW, PHONO	
S618	EVQ21405R	SW, DAT	
S619	EVQ21405R	SW, VDP	
S620	EVQ21405R	SW, VCR	
S701	ESE37263	SW, VOLTAGE SELECTOR	⚠(GC)
		JACK(S)	
J703	RWJ1808110XX	FLAT CABLE(8P)	
J703-1, 2	RJS1A6604	SOCKET(4P)	
J704A	RJT057W004-1	CONNECTOR(4P)	
J704B	RJU057W004	SOCKET(4P)	
CN101, 102	RJU063W07T	SOCKET(7P)	
CN103	RJU057W004	SOCKET(4P)	
CN301	RJU057W004	SOCKET(4P)	
CN501	RJU057W007	SOCKET(7P)	
CN601-603	RJT003K008-1	CONNECTOR(8P)	
CN701	RJS1A1101T1	SOCKET(1P)	
CN701A	RJU057W010	SOCKET(10P)	
CN702	RJS1A1101T1	SOCKET(1P)	
CN702A	RJU057W007	SOCKET(7P)	
CN703-708	RJS1A1101T1	SOCKET(1P)	
CP101, 102	RJT063W07T	CONNECTOR(7P)	
CP103	RJT057W004-1	CONNECTOR(4P)	
CP301	RJT057W004-1	CONNECTOR(4P)	
CP501	RJT057W007-1	CONNECTOR(7P)	
CP601-603	RJU003K008M1	SOCKET(8P)	
CP701	RJT057W010-1	CONNECTOR(10P)	
CP702	RJT057W007-1	CONNECTOR(7P)	
		EARTH TERMINAL(S)	
E501	SNE1004-1	GND PLATE	
E701	SNE1004-1	GND PLATE	
		FUSE HOLDER(S)	
FC1-6	EYF52BC	FUSE HOLDER	⚠
FC7, 8	EYF52BC	FUSE HOLDER	⚠(GC)
		RELAY(S)	
RL701, 702	RSY0013M-0	RELAY	⚠
		HOLDER(S)	

Ref. No.	Part No.	Part Name & Description	Remarks
SH601	RMN0194	FL HOLDER	
		TRANSFORMER(S)	
PT701	RTP1N5B015	POWER TRANSFORMER	⚠(E, EB, EG, GN)
PT701	RTP1N5G004	POWER TRANSFORMER	⚠(GC)

Ref. No.	Part No.	Part Name & Description	Remarks
		JACK(S)	
JK101	RJH4202M	ANTENNA TERMINAL	(E, EB, EG)
JK101	RJH4405-1M	ANTENNA TERMINAL	(GC, GN)
JK201	RJT065K15	CONNECTOR(15P)	
JK301	RJJD7S2XA-C	HEADPHONES JACK	
JK351	SJT3213	CONNECTOR(2P)	
JK501	RJR0054M	SPEAKER TERMINAL	
JK502	SJF3068-6N	SURROUND SPEAKER TERMINAL	(E, EB, EG)
JK502	SJF3068N	SURROUND SPEAKER TERMINAL	(GC, GN)
JK701	SJS9236	AC INLET	⚠(E, EB, EG, GC)
JK701	SJSD16	AC INLET	⚠(GN)
JK702	SJS702-1	CONNECTOR(7P)	

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R103	ERDS2TJ271	1/4W 270 E, EB, GC, GN
R103	ERDS2TJ330	1/4W 33 EG
R104	ERDS2TJ822	1/4W 8.2K
R105	ERDS2TJ471	1/4W 470
R106	ERDS2TJ474	1/4W 470K
R107	ERDS2TJ331	1/4W 330
R108	ERDS2TJ474	1/4W 470K
R109	ERDS2TJ331	1/4W 330
R110	ERDS2TJ102	1/4W 1K
R112	ERDS2TJ104	1/4W 100K
R113	ERDS2TJ103	1/4W 10K
R114	ERDS2TJ562	1/4W 5.6K
R115	ERDS2TJ561	1/4W 560
R116	ERDS2TJ102	1/4W 1K
R117	ERDS2TJ682T	1/4W 6.8K
R118	ERDS2TJ562	1/4W 5.6K
R119	ERDS2TJ392T	1/4W 3.9K E, EB, GC, GN
R119	ERDS2TJ822	1/4W 8.2K EG
R120	ERDS2TJ473	1/4W 47K
R121	ERDS2TJ332	1/4W 3.3K
R122	ERDS2TJ272T	1/4W 2.7K
R124	ERDS2TJ391	1/4W 390
R125,126	ERDS2TJ472	1/4W 4.7K
R127	ERDS2TJ103	1/4W 10K
R128	ERDS2TJ820	1/4W 82

Ref. No.	Part No.	Values & Remarks
R129	ERDS2TJ473	1/4W 47K
R130, 131	ERDS2TJ102	1/4W 1K
R132	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K
R138	ERDS2TJ103	1/4W 10K
R139, 140	ERDS2TJ272T	1/4W 2.7K
R141, 142	ERDS2TJ103	1/4W 10K
R143, 144	ERDS2TJ222	1/4W 2.2K
R145, 146	ERDS2TJ102	1/4W 1K E, EB, GC, GN
R145, 146	ERDS2TJ821	1/4W 820 EG
R147, 148	ERDS2TJ474	1/4W 470K
R149	ERDS2TJ680T	1/4W 68
R151-154	ERDS2TJ104	1/4W 100K
R155	ERDS2TJ102	1/4W 1K
R156	ERDS2TJ105T	1/4W 1M
R157, 158	ERDS2TJ102	1/4W 1K
R159	ERDS2TJ100	1/4W 10
R160, 161	ERDS2TJ331	1/4W 330
R162	ERDS2TJ152	1/4W 1.5K
R163	ERDS2TJ331	1/4W 330
R171, 172	ERDS2TJ102	1/4W 1K
R173	ERDS2TJ471	1/4W 470
R175	ERDS2TJ102	1/4W 1K
R176	ERDS2TJ391	1/4W 390
R191	ERDS2TJ103	1/4W 10K
R192	ERDS2TJ122	1/4W 1.2K
R193	ERDS2TJ182	1/4W 1.8K
R194	ERDS2TJ122	1/4W 1.2K

Ref. No.	Part No.	Values & Remarks
R195	ERDS2TJ223	1/4W 22K
R201, 202	ERDS2TJ222	1/4W 2.2K
R203, 204	ERDAS3G223T	1/4W 22K
R205, 206	ERDS2TJ104	1/4W 100K
R207, 208	ERDAS3G562T	1/4W 5.6K
R209, 210	ERDAS3G332T	1/4W 3.3K
R211, 212	ERDS2TJ222	1/4W 2.2K
R213, 214	ERDS2TJ204	1/4W 200K
R215, 216	ERDS2TJ474	1/4W 470K
R217, 218	ERDS2TJ102	1/4W 1K
R219, 220	ERDS2TJ331	1/4W 330
R221, 222	ERDS2TJ105T	1/4W 1M
R223, 224	ERDS2TJ332	1/4W 3.3K E, EB, EG
R223, 224	ERDS2TJ222	1/4W 2.2K GC, GN
R225, 226	ERDS2TJ104	1/4W 100K
R227, 228	ERDS2TJ332	1/4W 3.3K
R251, 252	ERDS2TJ102	1/4W 1K
R253, 254	ERDS2EJ121	1/4W 120
R255	ERDS2TJ154	1/4W 150K
R256	ERDS2TJ105T	1/4W 1M
R257	ERDS2TJ334	1/4W 330K
R258	ERDS2TJ105T	1/4W 1M
R259	ERDS2TJ561	1/4W 560
R260	ERDS2TJ392T	1/4W 3.9K
R281	ERDS2TJ102	1/4W 1K
R282	ERDS2TJ561	1/4W 560
R291, 292	ERDS2TJ104	1/4W 100K
R293, 294	ERDAS3G123T	1/4W 12K

Ref. No.	Part No.	Values & Remarks
R295, 296	ERDAS3G622T	1/4W 6.2K
R301, 302	ERDS2TJ562	1/4W 5.6K
R303-306	ERDS2TJ563	1/4W 56K
R307, 308	ERDS2TJ562	1/4W 5.6K
R309-312	ERDS2EJ121	1/4W 120
R313, 314	ERDS2TJ102	1/4W 1K
R315	ERDS2TJ334	1/4W 330K
R316	ERDS2TJ105T	1/4W 1M
R351	ERDS2TJ563	1/4W 56K
R352	ERDS2TJ184T	1/4W 180K
R353	ERDS2TJ274	1/4W 270K
R354	ERDS2TJ102	1/4W 1K
R355	ERDS2TJ103	1/4W 10K
R356	ERDS2TJ332	1/4W 3.3K
R357	ERDS1FVJ390T	1/2W 39 ⚠
R358	ERDS2TJ220T	1/4W 22
R361	ERDS2TJ474	1/4W 470K
R362	ERDS2TJ102	1/4W 1K
R371	ERDS2TJ103	1/4W 10K
R372	ERDS2TJ823T	1/4W 82K
R373	ERDS2TJ222	1/4W 2.2K
R374	ERDS2TJ823T	1/4W 82K
R375	ERDS2TJ153	1/4W 15K
R398	ERDS2TJ332	1/4W 3.3K
R399	ERDS2TJ154	1/4W 150K
R457	ERDS2TJ105T	1/4W 1M GC, GN
R459	ERDS2TJ272T	1/4W 2.7K GC, GN
R471, 472	ERDS2TJ121	1/4W 120 GC, GN
R501, 502	ERDS2TJ222	1/4W 2.2K
R503-506	ERDS2TJ563	1/4W 56K
R507, 508	ERDS2TJ272T	1/4W 2.7K
R509, 510	ERDS2TJ102	1/4W 1K
R511	ERDS2TJ334	1/4W 330K
R512	ERDS2TJ154	1/4W 150K ⚠
R513	ERDS2TJ684	1/4W 680K ⚠
R514	ERD25FJ470	1/4W 47 ⚠
R515, 516	ERDS1FVJ100T	1/2W 10 ⚠
R517, 518	ERD25FVJ100T	1/4W 10 ⚠
R551, 552	ERDS2TJ223	1/4W 22K GC, GN
R553, 554	ERDS2TJ182	1/4W 1.8K GC, GN
R555, 556	ERDS2TJ102	1/4W 1K GC, GN
R557, 558	ERDS1FVJ4R7T	1/2W 4.7 ⚠GC, GN
R559	ERDS2TJ271	1/4W 270 GC, GN
R560, 561	ERDS2TJ103	1/4W 10K GC, GN
R571	ERDS2TJ823T	1/4W 82K
R572	ERDS2TJ124T	1/4W 120K
R573	ERDS2TJ563	1/4W 56K
R611	ERDS2TJ470	1/4W 47
R613, 614	ERDS2TJ101	1/4W 100 ⚠
R615	ERDS2TJ2R2T	1/4W 2.2 ⚠
R616-619	ERDS2TJ104	1/4W 100K
R620	ERDS2TJ221	1/4W 220

Ref. No.	Part No.	Values & Remarks
R621	ERDS2TJ104	1/4W 100K
R622	ERDS2TJ102	1/4W 1K
R623	ERDS2TJ223	1/4W 22K
R624	ERDS2TJ393	1/4W 39K
R625	ERDS2TJ564	1/4W 560K
R626-629	ERDS2TJ223	1/4W 22K
R630, 631	ERDS2TJ332	1/4W 3.3K
R632	ERDS2TJ103	1/4W 10K
R634	ERDS2TJ223	1/4W 22K
R635	ERDS2TJ224T	1/4W 220K
R636	ERDS2TJ104	1/4W 100K
R637	ERDS2TJ102	1/4W 1K
R639	ERDS2TJ560T	1/4W 56
R660-665	ERDS2TJ102	1/4W 1K
R697	ERDS2TJ102	1/4W 1K
R698	ERDS2TJ332	1/4W 3.3K
R699	ERDS2TJ102	1/4W 1K
R701, 702	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R703, 704	ERDS2TJ562	1/4W 5.6K
R705, 706	ERG1SJ471E	1W 470
R707	ERDS2TJ680T	1/4W 68
R708	ERDS2TJ562	1/4W 5.6K
R709, 710	ERG1SJ391E	1W 390
R711, 712	ERG1SJ331E	1W 330
R713	ERDS1FVJ2R2T	1/2W 2.2 ⚠
R714	ERG1SJ681E	1W 680
R715	ERDS2TJ153	1/4W 15K
R716	ERDS2TJ102	1/4W 1K
R717	ERDS2TJ103	1/4W 10K
R799	ERDS2TJ103	1/4W 10K
R801	ERDS2TJ102	1/4W 1K
R803	ERDS2TJ103	1/4W 10K
R805	ERDS2TJ562	1/4W 5.6K
R806	ERDS2TJ392T	1/4W 3.9K GC, GN
R808	ERDS2TJ392T	1/4W 3.9K
R809, 810	ERDS2TJ272T	1/4W 2.7K
R811	ERDS2TJ221	1/4W 220
R812	ERDS2TJ332	1/4W 3.3K
R820-822	ERDS2TJ272T	1/4W 2.7K
R1601	ERDS2TJ223	1/4W 22K
R1602	ERDS2TJ473	1/4W 47K
R1603	ERDS2TJ223	1/4W 22K
R1604, 1605	ERDS2TJ102	1/4W 1K
		CAPACITORS
C101	ECBT1C103NS5	16V 0.01U
C103	ECBT1C103NS5	16V 0.01U
C104, 105	ECBT1H102KB5	50V 1000P
C106	ECBT1C103NS5	16V 0.01U
C107	ECBT1H473ZF5	50V 0.047U
C108	ECBT1H100JC5	50V 10P

Ref. No.	Part No.	Values & Remarks
C109, 110	ECBT1C103NS5	16V 0.01U
C111	ECEA1EKA4R7B	25V 4.7U
C112	ECBT1C103NS5	16V 0.01U
C113	ECBT1H102KB5	50V 1000P
C114	ECEA1HKA3R3B	50V 3.3U
C115	ECEA1CKA100B	16V 10U
C116	ECBT1C822MS5	16V 8200P
C117	ECQB1H821JF3	50V 820P E, EB, GC, GN
C117	ECQP2A221JZT	100V 220P EG
C118, 119	ECFR1E103KR	25V 0.01U
C120, 121	ECEA1HKA010B	50V 1U
C122	ECEA1HKA2R2B	50V 2.2U
C123	ECEA1HKA010B	50V 1U
C124	ECBT1H102KB5	50V 1000P
C125	ECBT1H150JC5	50V 15P
C126	ECBT1H473ZF5	50V 0.047U
C127	ECEA1CKA220B	16V 22U
C128	ECBT1C103NS5	16V 0.01U
C129, 130	ECEA0JKA101B	6.3V 100U
C131	ECBT1C103NS5	16V 0.01U
C132	ECBT1H102KB5	50V 1000P
C133	ECBT1H150JC5	50V 15P
C134	ECBT1H180JC5	50V 18P
C135, 136	ECBT1C822MS5	16V 8200P
C137, 138	ECBT1H271KB5	50V 270P
C139, 140	ECFR1E562KR	25V 5600P E, EB, GC, GN
C139, 140	ECFR1E822KR	25V 8200P EG
C141-144	ECEA1HKA010B	50V 1U
C145	ECBT1H220JC5	50V 22P
C146	ECBT1H331KB5	50V 330P
C147	ECBT1H102KB5	50V 1000P
C148	ECBT1C103NS5	16V 0.01U
C149	ECBT1H104ZF5	50V 0.1U
C151	ECEA1HKA010B	50V 1U
C152	ECKR1H103ZF5	50V 0.01U
C153	ECEA1AKA101B	10V 100U
C155, 156	ECBT1E103ZF	25V 0.01U
C157, 158	ECBT1H101KB5	50V 100P
C171	ECBT1C103NS5	16V 0.01U
C172	ECBT1H331KB5	50V 330P
C173	ECEA1CKA220B	16V 22U
C174	ECEA1CKA100B	16V 10U E, EB, GC, GN
C174	ECEA1CKA101B	16V 100U EG
C181	ECBT1H471KB5	50V 470P EG
C201, 202	ECBT1H101KB5	50V 100P
C203, 204	ECQB1H393JF3	50V 0.039U
C205, 206	ECQB1H333JF3	50V 0.033U
C207, 208	ECBT1H471KB5	50V 470P
C209, 210	ECEA1HKA3R3B	50V 3.3U
C211, 212	ECBT1H101KB5	50V 100P
C213, 214	ECQB1H822JF3	50V 8200P E, EB, EG
C213, 214	ECQB1H103JF3	50V 0.01U GC, GN

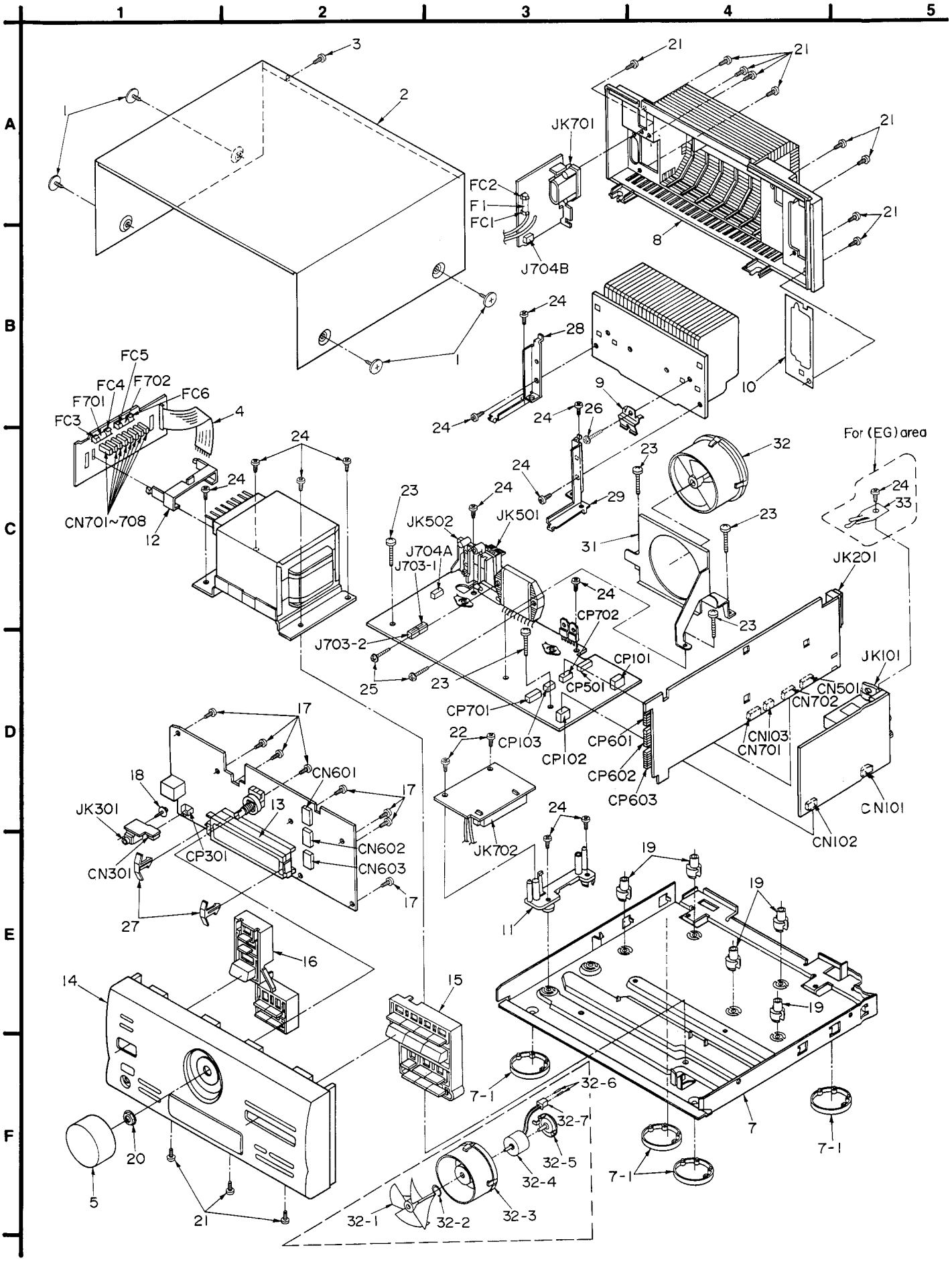
Ref. No.	Part No.	Values & Remarks
C215, 216	ECBT1H101KB5	50V 100P
C217, 218	ECBT1H151KB5	50V 150P
C219, 220	ECEA1CKA100B	16V 10U
C221, 222	ECQB1H333JF3	50V 0.033U
C251	ECEA0JKA221B	6.3V 220U
C252	ECEA1CKA100B	16V 10U
C281-287	ECBT1E103ZF	25V 0.01U
C291, 292	ECQB1H223JF3	50V 0.022U
C293, 294	ECBT1H101KB5	50V 100P
C301, 302	ECEA1HKA3R3B	50V 3.3U
C303, 304	ECBT1H101KB5	50V 100P
C305, 306	ECBT1H330J5	50V 33P
C307, 308	ECEA1HKA3R3B	50V 3.3U
C309	ECEA1HKA010B	50V 1U
C351	ECEA1CKA100B	16V 10U
C352	ECBT1E223ZF	25V 0.022U
C353	ECEA1HKA2R2B	50V 2.2U
C361	ECEA1CM470SB	16V 47U ⚠
C371	ECEA0JKA221B	6.3V 220U
C381, 382	ECBT1E103ZF	25V 0.01U
C397, 398	ECBT1E103ZF	25V 0.01U
C451	ECEA1CKA100B	16V 10U GC, GN
C501, 502	ECA1HAP3R3B	50V 3.3U
C503, 504	ECBT1H331KB5	50V 330P
C505, 506	ECBT1H6R8K5	50V 6.8P
C507, 508	ECBT1H102KB5	50V 1000P
C509, 510	ECA1HAP3R3B	50V 3.3U
C511, 512	ECBT1H821KB5	50V 820P
C513	ECA1HAP330B	50V 33U
C514	ECA2AAP100B	100V 10U
C515, 516	ECBT1H104ZF5	50V 0.1U
C551	ECBT1C472KR5	16V 4700P GC, GN
C552	ECBT1C222KR5	16V 2200P GC, GN
C553, 554	ECEA1HKA3R3B	50V 3.3U GC, GN
C555	ECEA1HKA2R2B	50V 2.2U GC, GN
C556	ECEA1HKA010B	50V 1U GC, GN
C557, 558	ECA1VM101B	35V 100U GC, GN
C559, 560	ECQV1H473JM3	50V 0.047U GC, GN
C561	ECA1EM221B	25V 220U GC, GN
C562	ECEA1HKN010B	50V 1U ⚠GC, GN
C563	ECQV1H104JM3	50V 0.1U GC, GN
C571	ECEA0JKA101B	6.3V 100U
C599	ECBT1C103MS5	16V 0.01U E, EB, EG
C601	ECEA0JU102	6.3V 1000U
C602	ECBT1E223ZF	25V 0.022U
C603	ECEA1CKS100L	16V 10U
C604	ECEA1VKA330B	35V 33U ⚠
C605	ECEA1VKA330B	35V 33U
C607	ECEA1HKS010	50V 1U
C608	ECEA1HKAR22B	50V 0.22U
C609, 610	ECBT1E103ZF	25V 0.01U
C611	ECBT1H102KB5	50V 1000P

Ref. No.	Part No.	Values & Remarks
C612	ECBT1E223ZF	25V 0.022U
C620	ECEA1HKS010	50V 1U ⚠
C621, 622	ECBT1H200JC5	50V 20P
C698, 699	ECBT1E103ZF	25V 0.01U
C701, 702	ECA1HM332B	50V 3300U E, EB, EG
C701, 702	ECEA45V472YB	45V 4700U GC, GN
C703, 704	ECEA1CKA330B	16V 33U
C705, 706	ECKR1H103ZF5	50V 0.01U
C707	ECA1HM221B	50V 220U
C708	ECEA1CKA100B	16V 10U
C709	ECBT1E103ZF	25V 0.01U
C710	ECA1HAP330B	50V 33U
C711	ECQE1104KF3	100V 0.1U ⚠
C712	ECBT1E223ZF	25V 0.022U
C714, 715	ECKR1H103ZF5	50V 0.01U ⚠
C801, 802	ECBT1H470J5	50V 47P
C803	ECBT1H104ZF5	50V 0.1U
C810	ECBT1H470J5	50V 47P
C811	ECBT1E103ZF	25V 0.01U
C821, 822	ECBT1H220J5	50V 22P
C905, 906	ECBT1H101KB5	50V 100P
C907, 908	ECBT1E223ZF	25V 0.022U
C911	ECKR1H102ZF5	50V 1000P ⚠
C1101, 1102	ECBT1E223ZF	25V 0.022U
C1103, 1104	ECBT1H102KB5	50V 1000P E, EB, EG
C1105, 1106	ECBT1H102KB5	50V 1000P
C1107, 1108	ECBT1E223ZF	25V 0.022U GC, GN
C1111	ECBT1H102KB5	50V 1000P GC, GN

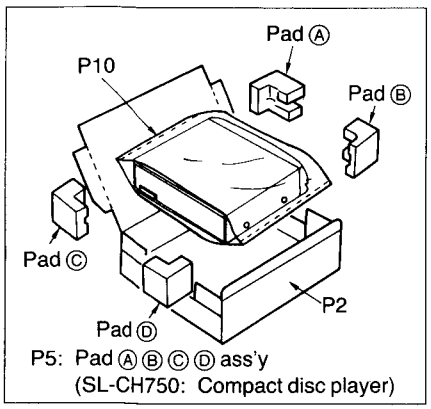
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0202A-1K	CABINET	
3	XTBS3+8JFZ1	SCREW	
4	RWJ1808110XX	FLAT CABLE(8P)	
5	RGW0157-K	KNOB, MAIN VOLUME	
7	RFKJACH550PK	BOTTOM BOARD ASS'Y	(E, EB, EG, GN)
7	RFKJACH550GC	BOTTOM BOARD ASS'Y	(GC)
7-1	RKA0055-N	FOOT	
8	RFKHACH750EK	REAR GRILL ASS'Y	(E)
8	RFKHACH750EB	REAR GRILL ASS'Y	(EB)
8	RFKHACH750EG	REAR GRILL ASS'Y	(EG)
8	RFKHACH750GC	REAR GRILL ASS'Y	(GC)
8	RFKHACH750GN	REAR GRILL ASS'Y	(GN)
9	RMC0158	TRANSISTOR HOLDER	
10	RMC0182	EARTH PLATE	
11	RMN0190	HOLDER(A)	
12	RMN0191-1	HOLDER(B)	
13	RMN0194	FL HOLDER	
14	RFKGACH750EK	FRONT PANEL ASS'Y	
15	RGU0796-K	BUTTON, INPUT SELECTOR etc.	
16	RGU0797-K	BUTTON, POWER etc	
17	XTBS26+8J	SCREW	
18	XTWS3+10T	SCREW	
19	SHE187-2	P.C.B. SPACER	
20	SNE4021-1	NUT	
21	XTBS3+8JFZ1	SCREW	
22	XTB3+12JFZ	SCREW	
23	XTB3+20JFZ	SCREW	
24	XTB3+8JFZ	SCREW	
25	XTW3+15T	SCREW	
26	XTW3+8T	SCREW	
27	RMN0195	FL SPACER	
28	RMQ0260	HOLDER(L)	
29	RMQ0261	HOLDER(R)	
31	RMN0215	FAN ANGLE	
32	SYE1128-2	FAN ASS'Y	
32-1	SHE232	FAN	
32-2	SUS271	SPRING	
32-3	SHE233-1	FAN CASE	
32-4	MDN-4RB4MRC	MOTOR	
32-5	SHE234	CAP	
32-6	SJT783	TERMINAL	
32-7	SJS5215	CONNECTOR(2P)	
33	RMC0197	EARTH PLATE	(EG)

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG1410	PACKING CASE (SYSTEM)	(E, EG)
P1	RPG1411	PACKING CASE (SYSTEM)	(EB)
P1	RPG1454	PACKING CASE (SYSTEM)	(GC)
P1	RPG1412	PACKING CASE (SYSTEM)	(GN)
P2	RPG1314	PACKING CASE (CD/PROCESSOR)	
P3	RPG1312	PACKING CASE (AMPLIFIER)	
P4	RPG1313	PACKING CASE (DECK)	
P5	RPN0627	PAD (CD/PROCESSOR)	
P6	RPN0625	PAD (AMPLIFIER)	
P7	RPN0626	PAD (DECK)	
P8	RPQF0047	ACCESSORY BOX	
P9	RPQ0244	SPACER	
P10	XZB45X50A01Z	PROTECTION COVER	
P11	XZB22X20C03	PROTECTION COVER	
		ACCESSORIES	
A1	RAK-SC709WH	REMOTE CONTROL TRANSMITTER	
A1-1	RKK0020-K	BATTERY COVER	
A2	RFKSACH950EK	INSTRUCTIONS MANUAL	(E)
A2	RFKSACH950EB	INSTRUCTIONS MANUAL	(EB)
A2	RFKSACH950EG	INSTRUCTIONS MANUAL	(EG)
A2	RFKSACH950GC	INSTRUCTIONS MANUAL	(GC)
A2	RFKSACH950GN	INSTRUCTIONS MANUAL	(GN)
A3	RQA0013	WARRANTY CARD	(E, EB, EG)
A3	RQX7433ZA	WARRANTY CARD	(GN)
A4	RQCB0169	SERVICE CENTER LIST	
A5	REX0462	FLAT CABLE(15P)	
A6	RJA0019-2K	AC POWER SUPPLY CORD	⚠(E, EG, GC)
A6	VJA0733	AC POWER SUPPLY CORD	⚠(EB)
A6	SJA173	AC POWER SUPPLY CORD	⚠(GN)
A7	RSA0007	FM INDOOR ANTENNA	(E, EB, EG)
A7	RSA0006	FM INDOOR ANTENNA	(GC, GN)
A8	SPB1163T	LW/MW LOOP ANTENNA	
A8-1	SMA233-1M	ANTENNA HOLDER	
A8-2	XTN3+10AFZ	SCREW	
A9	SWXS257M	SPEAKER CORD	
A10	RJL1P001B25	SURROUND SPEAKER CORD	(GC, GN)
A11	SJP9009	ATTACHMENT PLUG	⚠(EB)
A12	SJP5213-2	POWER PLUG ADAPTOR	⚠(GC)

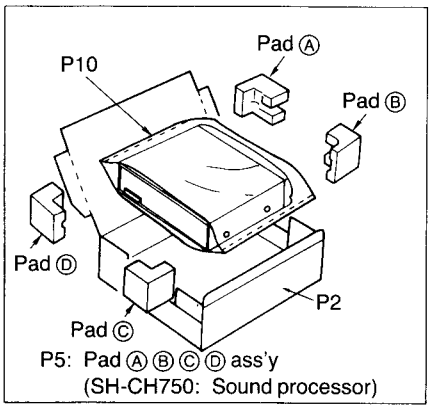
■ CABINET PARTS LOCATION



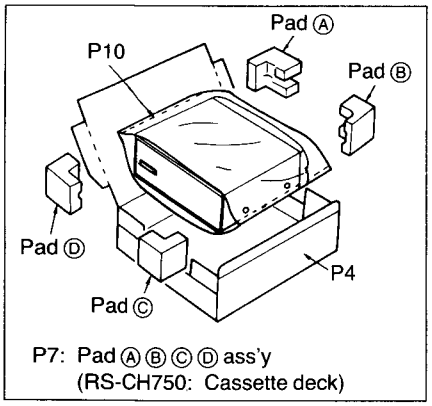
■ PACKAGING



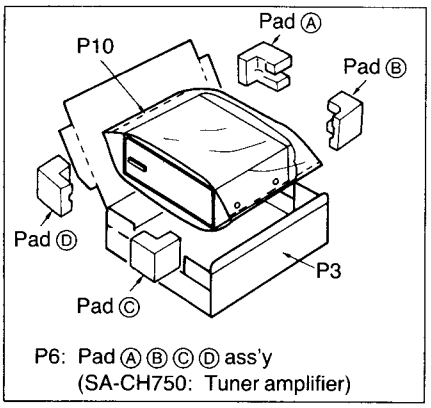
P5: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SL-CH750: Compact disc player)



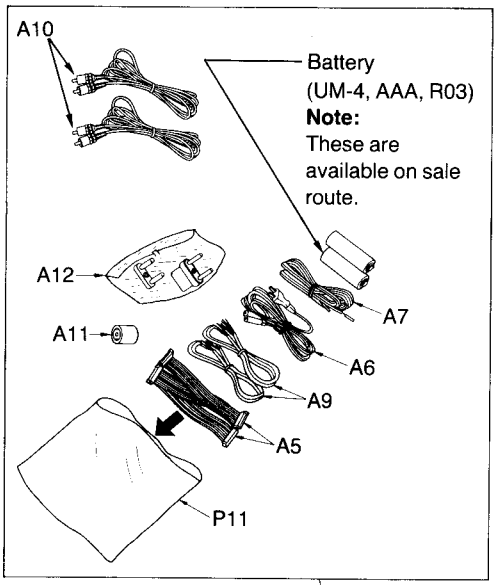
P5: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SH-CH750: Sound processor)

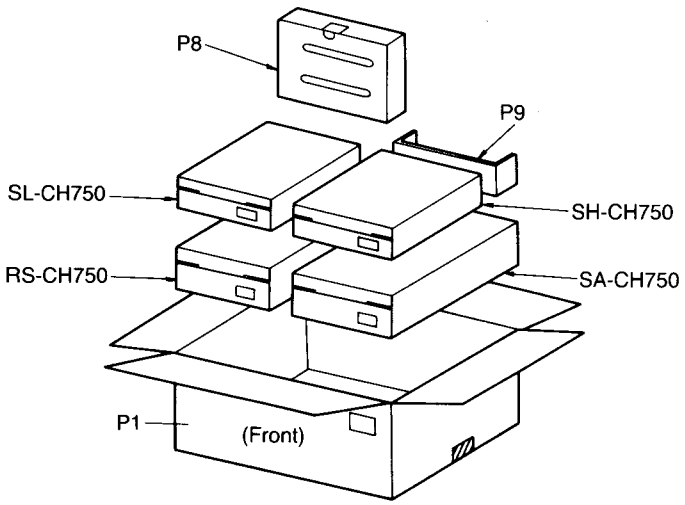


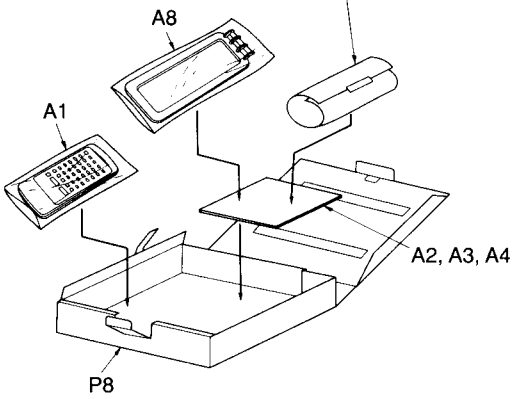
P7: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(RS-CH750: Cassette deck)



P6: Pad Ⓐ Ⓑ Ⓒ Ⓓ ass'y
(SA-CH750: Tuner amplifier)







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